ORDER NO. BSD0202M904
D20

Service Manual

Sec. 1 *Service Information*
Sec. 2 *Disassembly Procedures*
Sec. 3 *Electrical Adjustment*
Sec. 4 *Block Diagrams*
Sec. 5 *Schematic Diagrams*
Sec. 6 *Circuit Board Diagrams*
Sec. 7 *Exploded Views &*
Replacement Parts List

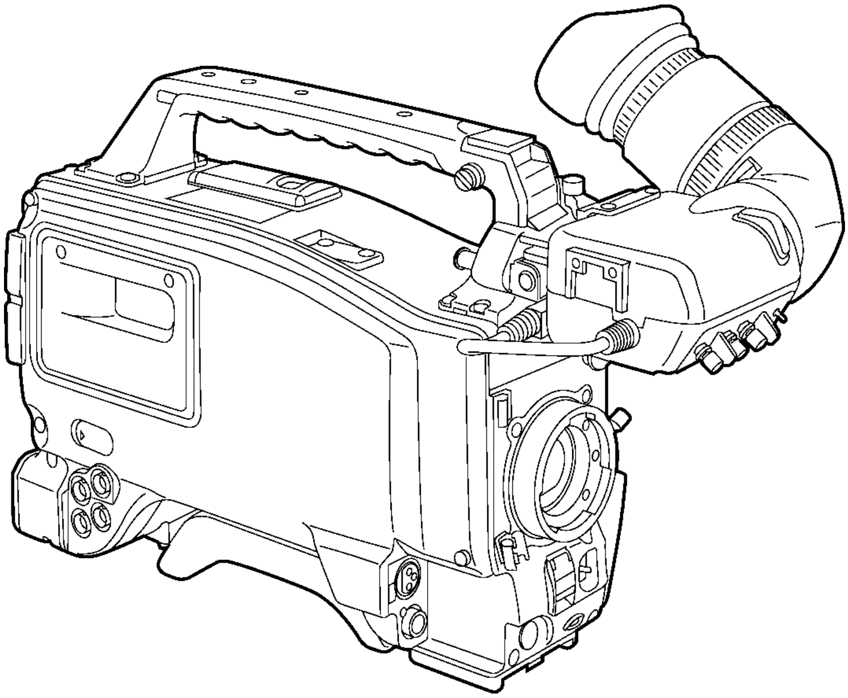
DVCPRO

Digital Camera/VTR

AJ-D610WBP/E/MC

Refer to
BSD0103M901
(CD-ROM No.11/BSD01051K0X)
DVCPRO MECHANISM Version 2
for Mechanical Adjustment.

* This mechanism is the same mechanism as AJ-D610WA. Refer to AJ-D610WA Mechanism Adjustment



Panasonic

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⚠ **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-D610WBP

Specifications

General

Power supply voltage: DC 12 V
Power consumption: 24 W

▭ is the safety information.

Operating temperature: 32°F to 104°F (0°C to 40°C)
Storage temperature: −4°F to 140°F (−20°C to 60°C)
Operating humidity: Less than 85% (relative humidity)
Continuous operating time: Approx. 90 min. (using 1 Anton Bauer Trimpac 14 battery)
Weight: 14.52 lbs (6.6 kg) (incld. main unit, viewfinder, lens, battery pack, tape and microphone)
8.8 lbs (4.0 kg) (main unit only)
Dimensions: $4\frac{13}{16}''$ (W)×$8\frac{1}{16}''$ (H) (excluding grip)×$12\frac{3}{8}''$ (D)
122.5×204×313 mm

Camera Section

Pick-up devices: 2/3-inch on-chip IT type of CCD
System: RGB 3-CCD system
Picture elements: 520,000 pixels
Spectral system: F1.4 prism system
Built-in filters: 1; 3200 K
2; 5600 K+1/8ND
3; 5600 K
4; 5600 K+1/64ND
Quantization: 10-bit A/D (R, G and B channels each)
Digital signal processing: 16-bit long operation, 18 MHz/36 MHz
Horizontal drive frequency: 18.0 MHz
Programmable gains: Any 3 position settings from −3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB
Super gain: 30 or 36 dB selectable
Shutter speeds: 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec.
Synchro scan mode; 1/60.8 sec. to 1/250 sec.
Lens mount: 2/3″ Bayonet type
Sensitivity: F13 (2000 lux, 89.9% reflection)
Minimum subject brightness: Approx. 0.36 lux (at F1.4, +36 dB)
Image S/N ratio: 63 dB (typ)
Horizontal resolution: 750 lines (center, typ)
Vertical resolution: 400 lines/450 lines (SUPER V mode)
Sampling frequency: 18 MHz
Registration: Below 0.05% (entire range) (excluding lens distortion)

Viewfinder (AJ-VF10P, optional accessory)

CRT: 1.5″ monochrome
Horizontal resolution: 600 lines (center)
External controls/switches Controls; BRIGHT, CONTRAST, PEAKING
Switches; TALLY, ZEBRA

Specifications

VTR Section

VTR Video System **(during playback on a standard playback unit)**

Bands:	Y; 30 Hz to 5.75 MHz +1.0 dB/−3.0 dB P_B/P_R; 30 Hz to 2.75 MHz +1.0 dB/−3.0 dB
S/N ratio:	Better than 55 dB
K factor (2T pulse):	Within 2%
Y/C delay:	Within 30ns

VTR Audio System **(during playback on a standard playback unit)**

Sampling frequency:	48 kHz (synchronized to video)
Quantization:	16 bits
Frequency response:	20 Hz to 20 kHz±1.0 dB (at reference level with OFF setting for MIC LOWCUT on setting menu)
Dynamic range:	85 dB or more (at 1 kHz, AWTD)
Distortion:	Within 0.1% (at 1 kHz, reference level)
Cross talk:	Less than −70 dB (at 1 kHz, between 2 channels)
Wow & flutter:	Below measurable limit
Head room:	20 dB
Emphasis:	T1=50 µs, T2=15 µs (can be turned ON/OFF)

VTR Tape Travel System

Tape used:	DVCPRO format 1/4-inch M cassette tape
Tape speed:	33.820 mm/sec
Recording/playback time:	Approx. 66 min. (using AJ-P66MP)
FF/REW time:	Approx. 3 min. (using AJ-P66MP)

Connectors

Input

AUDIO IN CH1/CH2 (XLR×2, 3 pins, female):	MIC/LINE switchable, balanced, 10 kilohms MIC; Menu setting to −60, −50, −40 dBu Phantom +48 V, ON/OFF switchable LINE; Menu setting to −6, 0, +4 dBu
MIC IN (XLR, 3 pins, female):	Phantom +48 V, balanced, 3 kilohms, Menu setting to −60, −50, −40 dBu
GENLOCK IN/(VIDEO IN) (BNC):	1.0 Vp-p, 75 ohms (signals can be monitored on EVF)
TIME CODE IN (BNC):	0.5 V to 8 Vp-p, high impedance

Output

CAMERA OUT (BNC):	1.0 Vp-p, 75 ohms
VIDEO OUT (BNC):	1.0 Vp-p, 75 ohms
AUDIO OUT (XLR, 3 pins, male):	+4 dBu, balanced, low impedance CH1, CH2 or MIX selectable
TIME CODE OUT (BNC):	1.5 Vp-p, low impedance
PHONES (stereo mini jack)	

Other

DC IN (XLR, 4 pins, male):	DC 12 V
DC OUT (4 pins, female):	DC 11 V to 17 V, maximum rated current; 0.1 A
LENS (12 pins)	
ECU (6 pins)	

Accessories

Shoulder strap (×1), Battery connector (including screws) for supporting Sony battery, AUDIO LEVEL CH1 control knob (including screw) (×1), Tripod mount adaptor (×1), Microphone (with holder) (×1)

Specifications

Related Components

Power supply related

AU-BP220, AU-BP402 battery packs
AG-B425 battery charger (for charging AU-BP220, AU-BP402 battery packs)
AU-M402H battery case
AJ-B75 AC adaptor

Viewfinder

AJ-VF10P, AJ-VF15P 1.5-inch viewfinders
AJ-VF20WP 2.0-inch viewfinder
AJ-VF53P 5-inch viewfinder

External VTR-related

Portable video cassette recorders
VTR adaptor (for connecting portable VTR)
AJ-YA900P 26-pin/12-pin output connector
AJ-EC3 extension control unit

Connecting cables

- For connecting external VTR to 26-pin interface
- For connecting external VTR to 14-pin/26-pin interface
- SHAN-C12TCA multi-connector cable

Audio components

AJ-MC700P microphone kit
AJ-MH700P microphone holder
WX-RA700 wireless microphone receiver
WX-R980 camera attachment

Maintenance products

AJ-CL12MP cleaning tape
AJ-SC900 soft carrying case
AJ-HT900 carrying case
SHAN-RC700 rain cover

Other

AJ-YAP900 Picture Link adaptor board

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Specifications

General

Power supply voltage:	DC 12 V
Power consumption:	25 W

Operating temperature:	0°C to 40°C
Storage temperature:	−20°C to 60°C
Operating humidity:	Less than 85% (relative humidity)
Continuous operating time:	Approx. 90 min. (using 1 Anton Bauer Trimpac 14 battery)
Weight:	6.6 kg (incld. main unit, viewfinder, lens, battery pack, tape and microphone)
Dimensions:	122.5 (W)×204 (H) (excluding grip)×313 (D) mm

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Pick-up devices:	2/3-inch on-chip IT type of CCD
System:	RGB 3-CCD system
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Spectral system:	F1.4 prism system
Built-in filters:	1; 3200 K 2; 5600 K+1/8 ND 3; 5600 K 4; 5600 K+1/64 ND
Quantization:	10-bit A/D (R, G and B channels each)
Digital signal processing:	16-bit length operation, 18 MHz/36 MHz
Horizontal drive frequency:	18.0 MHz
Programmemable gains:	Any 3 position settings from −3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB
Super gain:	30 or 36 dB selectable
Shutter speeds:	1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. Synchro scan mode; 1/50.6–1/248.0 sec.
Lens mount:	2/3″ Bayonet type
Sensitivity:	F13 (2000 lux, 89.9% reflection)
Minimum subject brightness:	Approx. 0.4 lux (at F1.4, +36 dB)
Image S/N ratio:	61 dB (typ)
Horizontal resolution:	750 lines (centre, typ)
Vertical resolution:	450 lines/500 lines (SUPER V mode)
Sampling frequency:	18 MHz
Registration:	Below 0.05% (entire range) (excluding lens distortion)

Viewfinder (AJ-VF10E, optional accessory)

CRT:	1.5″ monochrome
Horizontal resolution:	600 lines (centre)
External controls/switches	Controls; BRIGHT, CONTRAST, PEAKING Switches; TALLY, ZEBRA

Specifications

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VTR Video System (during playback on a standard playback unit)

Bands:	Y; 25 Hz to 5.75 MHz +1.0 dB/−3.0 dB
S/N ratio:	55 dB
K factor (2T pulse):	Within 2%
Y/C delay:	Within 30ns

VTR Audio System (during playback on a standard playback unit)

Sampling frequency:	48 kHz (synchronized to video)
Quantization:	16 bits/sample
Frequency response:	20 Hz to 20 kHz±1.0 dB (at reference level with OFF setting for MIC LOWCUT on setting menu)
Dynamic range:	85 dB or more (at 1 kHz, AWTD)
Distortion:	Within 0.1% (at 1 kHz, reference level)
Wow & flutter:	Below measurable limit
Head room:	18 dB
Emphasis:	T1=50 µs, T2=15 µs (can be turned ON/OFF)

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AUDIO IN CH1/CH2 (XLR×2, 3 pins, female):	MIC/LINE switchable, balanced, more than 10 kilohms MIC; Menu setting to −60, −50, −40 dBu LINE; Menu setting to −6, 0, +4 dBu
MIC IN (XLR, 3 pins, female):	Phantom +48 V, balanced, 3 kilohms, Menu setting to −60, −50, −40 dBu
GENLOCK IN/(VIDEO IN) (BNC):	1.0 Vp-p, 75 ohms (signals can be monitored on EVF)
TIME CODE IN (BNC):	0.5 V to 18 Vp-p, high impedance

Output

CAMERA OUT (BNC):	1.0 Vp-p, 75 ohms
VIDEO OUT (BNC):	1.0 Vp-p, 75 ohms
AUDIO OU (XLR, 3 pins, male):	0 dBu, balanced, low impedance CH1, CH2 or MIX selectable
TIME CODE OUT (BNC):	1.5 Vp-p, low impedance
PHONES (stereo mini jack)	

Other

DC IN (XLR, 4 pins, male):	DC 12 V
DC OUT (4 pins, female):	DC 11 V to 17 V, maximam rated current; 100 mA
LENS (12 pins)	
SPARE (6 pins)	

Accessories

Shoulder strap (×1), Battery connector (including screws) for supporting Sony battery, AUDIO LEVEL CH1 control knob (including screw) (×1), Holder for an Anton Bauer battery (already mounted on main unit), Tripod mount adapter (×1), Microphone (with holder) (×1)

Specifications

Related Components

Power supply related

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AG-B425 battery charger (for charging AU-BP220, AU-BP402 battery packs)
AU-M402H battery case
AJ-B75 AC adapter

Viewfinder

AJ-VF10E, AJ-VF15E 1.5-inch viewfinders
AJ-VF20WE 2.0-inch viewfinder
AJ-VF53E 5-inch viewfinder

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Maintenance products

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AJ-HT900 carrying case
SHAN-RC700 rain cover

Other

AJ-YAP900 Picture Link adapter board

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

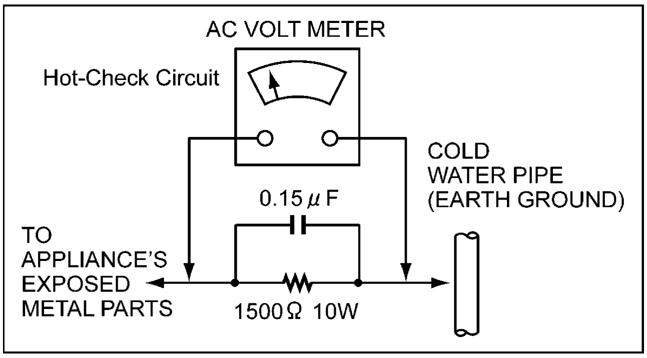


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

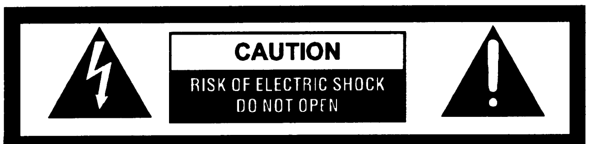
X-RADIATION

WARNING

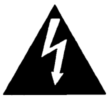
1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

ATTENTION:
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of it's useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

Replace battery with part No. CR2032 only.
Use of another battery may present a risk of fire or explosion.
Caution—Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.

FCC NOTE:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL BOARD TO AUTHORIZED SERVICE PERSONNEL.

▭ is the safety information.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING**
To reduce the risk of electric shock, do not remov cover. No user serviceable parts inside. And do not insert fingers or any other objects into the video cassette holder.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Lithium Battery

Warning
The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

“The lithium battery is a critical component (type number CR2032 manufactured by Panasonic).

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in wast products destined for burial rather than incineration.”

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer’s instructions.

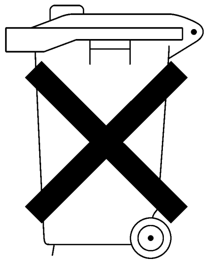
VARNING
Exposionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!
Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyypiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

▭ is the safety information.

Attention/Attentie



- Batteries are used for the main power source and memory back-up in the product.
  At the end of their useful life, you should not throw them away.
  Instead, hand them in as small chemical waste.
- Voor de primaire voeding en het reservegeheugen van het apparaat wordt gebruikgemaakt van een batterij.
  Wanneer de batterij is uitgeput, mag u deze niet gewoon weggooien, maar dient u deze als klein chemisch afval weg te doen.

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SECTION 1

SERVICE INFORMATION

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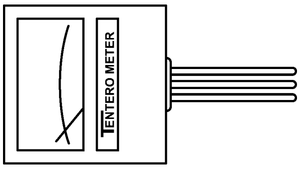
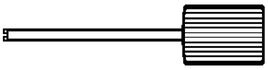
1. Servicing Fixtures & Tools

No.	Part No.	Fixture & Tool Name	Remarks
1	VFK1145A	Back Tension Meter (T2-M30-P)	
2	VFK1149A	Post Driver (2.5mm)	
3	VFK71A	Dial Torque Gauge (1.5cN-m)	150g
4	VFK1191A	Dial Torque Gauge (0.45cN-m)	45g
5	VFK1152	Dial Torque Gauge Adapter	
6	VFK0357	Eccentric Driver (1.5mm)	
7	VFK1154	Post Height Fixture	
8	VFK1153	Mech. Neutral Plate (M)	For Post Height
9	VFK1155	REV Position Tool (Silver)	
10	VFK1156	PLAY Position Tool (Black)	
11	VFK1208	Neutral Position Tool (Black with Hole)	
12	VFK1150	Nut Driver (5.5mm)	
13	VFK1151	Nut Driver (2.5mm)	
14	VFK1188A	Dial Tension Gauge (30mN)	30g
15	VFK0948A	Check Light	
16	VFK0749	Froiral Grease	For Plastic
17	MOR265	Morlytone Grease	For Metallic
18	VFK1146	Phillips Driver (Fine) (00-75)	
19	VFK1147	Phillips Driver (Fine) (0-100)	
20	VFK1148	Hex. Driver (1.5mm)	
21	VFK1178	Hex. Driver (0.89mm)	
22	VFK1179	Hex. Driver (0.71mm)	
23	VFK1190	Hex. Wrench	
24	VFK1209A	Torque Driver (4-30cN-m)	0.4-3kg
25	VFK1375	Hex. Bit (1.5mm)	
26	VFK1300	AD Board (DAQ-12 Quatech)	
27	VFM3580KM	Alignment Tape (No.1) (NTSC)	Color bar Master (M-Cassette)
	VFM3680KM	Alignment Tape (No.1) (PAL)	Color bar Master (M-Cassette)
28	VFM3581KM	Alignment Tape (No.2) (NTSC)	LISTA (M-Cassette)
	VFM3681KM	Alignment Tape (No.2) (PAL)	LISTA (M-Cassette)
29	VFM3582KM	Alignment Tape (No.3) (NTSC)	X Value (M-Cassette)
	VFM3682KM	Alignment Tape (No.3) (PAL)	X Value (M-Cassette)
30	AJ-CL12MP	Cleaning Tape	Sales Route
31	VFK1481D	LISTA Software	
32	VFK1629	RF AUTO Adjustment Software	
33	VFK1186	LISTA Cable	
34	VFK0369	Tweezers	
35	VFK0371	Radio Prier	
36	VFK0372	Cutter Prier	
37	VFK0337	Phillips Screw Driver	
38	VFK0338	Electrical Adjustment Screw Driver	
39	VFK1423	Tape Sensor Adjustment Cassette	
40	VFK0906	Lubrication Oil	
41	VFK1194	Extender Board	
42	VFK1163A	RF AUTO Adjustment Tool	
43	VFK1645	RF IN Cable	Include in VFK1163A
44	VFK1162B	EVR Software	
45	VFKW1000AA	EVR I/F Unit	
46	VFKW1000C	EVR RS232C Cable	
47	VFK1180	EVR Sub I/F Unit	
48	VFK1187	EVR Cable	
49	VFK1158A	BER Counter Tool	
50	VFK1185	BER Counter Cable	
51	VFK1304A	FLASH Memory Version Up Tool	
52	VFK1468	FLASH Memory Version Up Software	
53	VFK1210	Multi Canon Cable	
54	VFK0645	Grayscale Chart	

1 VFK1145A (T2-M30-P)
Back Tension Meter



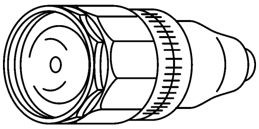
2 VFK1149A (2.5mm)
Post Driver



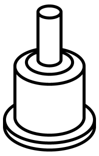
3 VFK71A 1.5cN-m (150g)

4 VFK1191A 0.45cN-m (45g)

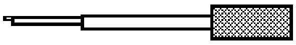
Dial Torque Gauge



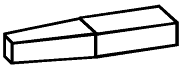
5 VFK1152
Dial Torque Gauge Adapter



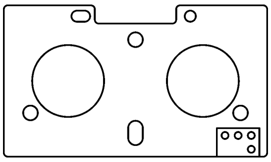
6 VFK0357
Eccentric Driver (1.5mm)



7 VFK1154
Post Height Fixture

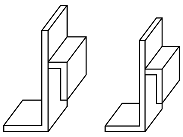


8 VFK1153
Mech. Neutral Plate (M) (For Post Height)

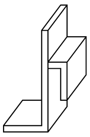


9 VFK1155
REV Position Tool (Silver)

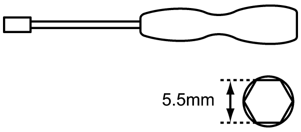
10 VFK1156
PLAY Position Tool (Black)



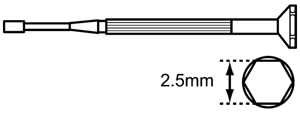
11 VFK1208
Neutral Position Tool (Black with Hole)



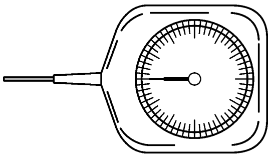
12 VFK1150
Nut Driver (5.5mm)



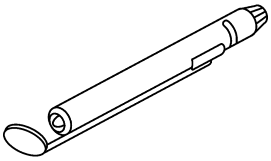
13 VFK1151
Nut Driver (2.5mm)



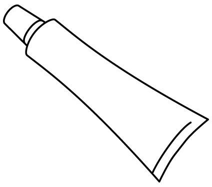
14 VFK1188A 30mN (30g)
Dial Tension Gauge



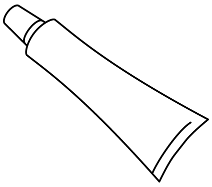
15 VFK0948A
Check Light



16 VFK0749
Froiral Grease (for Plastic)

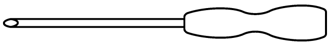


17 MOR265
Morlytone Grease (for Metallic)



18 VFK1146

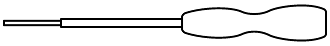
19 VFK1147
Phillips Driver (Fine)



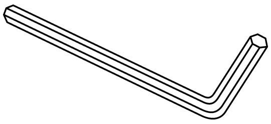
20 VFK1148 (1.5mm)

21 VFK1178 (0.89mm)

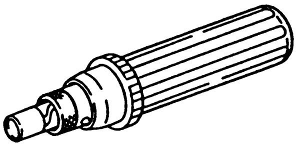
22 VFK1179 (0.71mm)
Hex. Driver



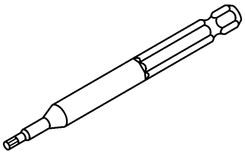
23 VFK1190
Hex. Wrench



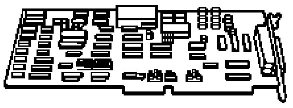
24 VFK1209A 4-30cN-m (0.4-3kg)
Torque Driver



25 VFK1375
Hex. Bit



26 VFK1300
AD Board
(DAQ-12 Quatech)

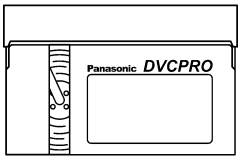


27 VFM3580KM (NTSC) or VFM3680KM (PAL)

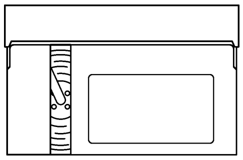
28 VFM3581KM (NTSC) or VFM3681KM (PAL)

29 VFM3582KM (NTSC) or VFM3682KM (PAL)

Alignment Tape

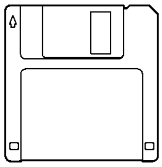


30 AJ-CL12MP
Cleaning Tape

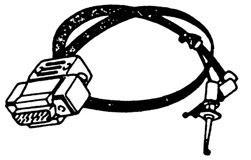


31 VFK1481C
LISTA Software

32 VFK1629
RF Auto Adj. Software

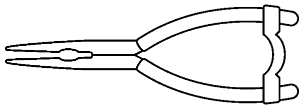


33 VFK1186
LISTA Cable

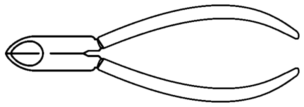


34 VFK0369
Tweezers

35 VFK0371
Radio Prier

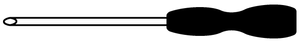


36 VFK0372
Cutter Prier

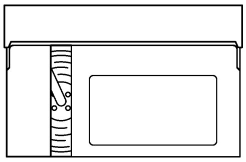


37 VFK0337
Phillips Driver

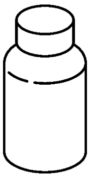
38 VFK0338
Phillips Driver



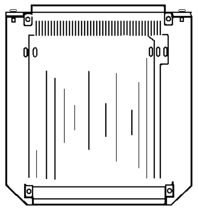
39 VFK1423
Tape Sensor
Adjustment Cassette



40 VFK0906
Lubrication Oil

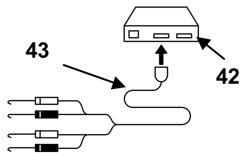


41 VFK1194
Extender Board



42 VFK1163A
RF Auto Adj. Tool

43 VFK1645
RF IN Cable
(Include in VFK1163A)



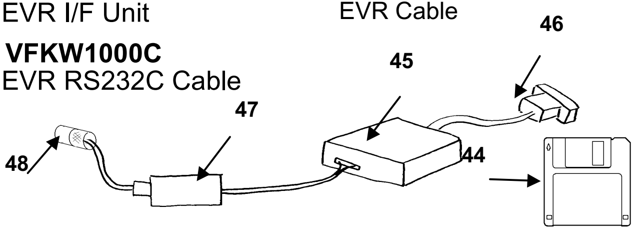
44 VFK1162B
EVR Software

45 VFKW1000AA
EVR I/F Unit

46 VFKW1000C
EVR RS232C Cable

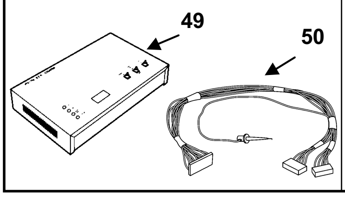
47 VFK1180
EVR Sub I/F Unit

48 VFK1187
EVR Cable



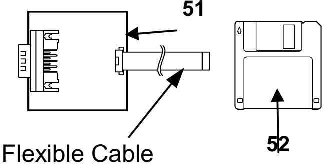
49 VFK1158A
BER Counter

50 VFK1185
BER Counter Cable



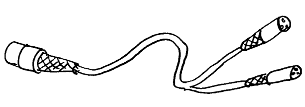
51 VFK1304A
Flash Memory Version Up tool

52 VFK1468
Flash Mem. Ver. Up Software

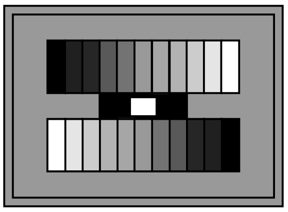


Flexible Cable
Part No: VWJ20E5500L0

53 VFK1210
Multi Canon Cable



54 VFK0645
Gray-scale Chart



2. Alignment Tape

2-1. VFM3580KM (NTSC) (25M adjustment tape)

Time (min.)	VIDEO		PCM		CUE	
	SIGNAL	PORPOSE	SIGNAL	PORPOSE	SIGNAL	PORPOSE
0:00	Color Bar SMPTE (75%)	Confirmation of the Composite Video Level	1KHz -20dB	Confirmation of the Audio Level	1KHz 0VU	Confirmation of the CUE Level
7:00	Color Bar (100%)	Confirmation of the Composite Video Level				
14:00	H Sweep	Frequency Characteristic			6KHz 0VU	A/C Head Azimuth Adjustment
18:00	Bowtie (500K)	Y/C Timing				
22:00	Pulse & Bar	Y/C Timing			300, 500, 1K 2K, 4K, 6KHz	Frequency Characteristic
26:00	Area Marker	Video Start Timing			-----	-----

2-2. VFM3680KM (PAL) (25M adjustment tape)

Time (min.)	VIDEO		PCM		CUE	
	SIGNAL	PORPOSE	SIGNAL	PORPOSE	SIGNAL	PORPOSE
0:00	Color bar 100%	Video level Confirmation	1KHz –18dB	Confirmation of the audio level	1KHz Reference Level	Cue Level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers	Video start timing			6KHz Reference Level	A/C head Azimuth Adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			1KHz 300KHz-6KHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C timing	-----	-----	-----	-----

2-3. VFM3581KM (NTSC) / VFM3681KM (PAL) (Manufacturer (LISTA) adjustment tape)

Time (min.)	VIDEO		PCM		CUE	
	SIGNAL	PORPOSE	SIGNAL	PORPOSE	SIGNAL	PORPOSE
0:00	ITI Pattern	Linearity Adjustment	---	---	---	---

2-4. VFM3582KM (NTSC) / VFM3682KM (PAL) (Manufacturer (X-value) adjustment tape)

Time (min.)	VIDEO		PCM		CUE	
	SIGNAL	PORPOSE	SIGNAL	PORPOSE	SIGNAL	PORPOSE
0:00	Color Bar (75%) (with drop-out track)	X Value Adjustment	---	---	6KHz 10VU	X Value Adjustment

3. List of Recommended Measuring and Instruments

MODEL No. (Example)	NAME	REMARKS
	Monitor TV	
1760 (op. SCH) or 1780R (NTSC) 1761 (op. SCH) or 1781R (PAL)	Waveform Monitor	
	Vector Scope	
	Oscilloscope	
	Digital Volt Meter (D.V.M.)	
	Frequency Counter	
	Audio Analyzer	
	Spectrum Analyzer	
	Halogen Lump (X2)	500W 3200K
	Lux Meter	
	Color Pyrometer	
	Light Box	Recommend Spherical Type for white shading adjustment

4. Maintenance Schedule

	Part Name	Part Number	Hours of Use (unit hours)						
			1,000H	2,000H	4,000H	6,000H	8,000H	10,000H	12,000H
	Cleaning of the tape transport		**"C": every 500 hours**						
1	Cylinder Ass'y	VEG1498		**R**	**R**	**R**	**R**	**R**	**IM**
2	Pinch Arm Ass'y	VXL2835C	**R,Y,G**	**R,Y,G**	**R,Y,G**	**R,Y,G**	**R,Y,G**	**R,Y,G**	**IM**
3	Cleaning Arm Ass'y	VXL3027C	**R,Y**	**R,Y**	**R,Y**	**R,Y**	**R,Y**	**R,Y**	**IM**
4	S Reel Motor Ass'y	VEM0629			**R**		**R**		**IM**
	T Reel Motor Ass'y	VEM0630							
5	Thrust Screw Ass'y	VXQ0556			**R,L**		**R,L**		**IM**
6	S1 Loading Arm Ass'y	VXL2709					**R**		**IM**
7	T1 Boat Ass'y	VXA6378					**R**		**IM**
8	S5 Post Base Arm Ass'y	VXA7361					**R**		**IM**
9	Tension Arm Ass'y	VXL2831					**R**		**IM**
10	S Brake Arm Ass'y	VXL2705					**R**		**IM**
	T Brake Arm Ass'y	VXL2706							
11	Mode Switch Ass'y	VES0918C					**R**		**IM**
12	A/C Head	VED0419							**IM**
13	Loading Motor (1) Ass'y	VEM0645C							**IM**
14	Pinch Solenoid	VSJ0227							**IM**
15	S,T Brake Solenoid	VSJ0216							**IM**
16	MIC Sensor Switch Base Ass'y	VXA5583C							**IM**
17	Cleaner Solenoid	VSJ0226							**IM**
18	Main Cam Gear	VDG1168							**IM**
19	Mechanism Ass'y	VXY1541(P)							**IM**
		VXY1573(E/MC)							
20	Cassette Compartment Ass'y	VXA6361(P)							**IM**
		VXA6753(E/MC)							

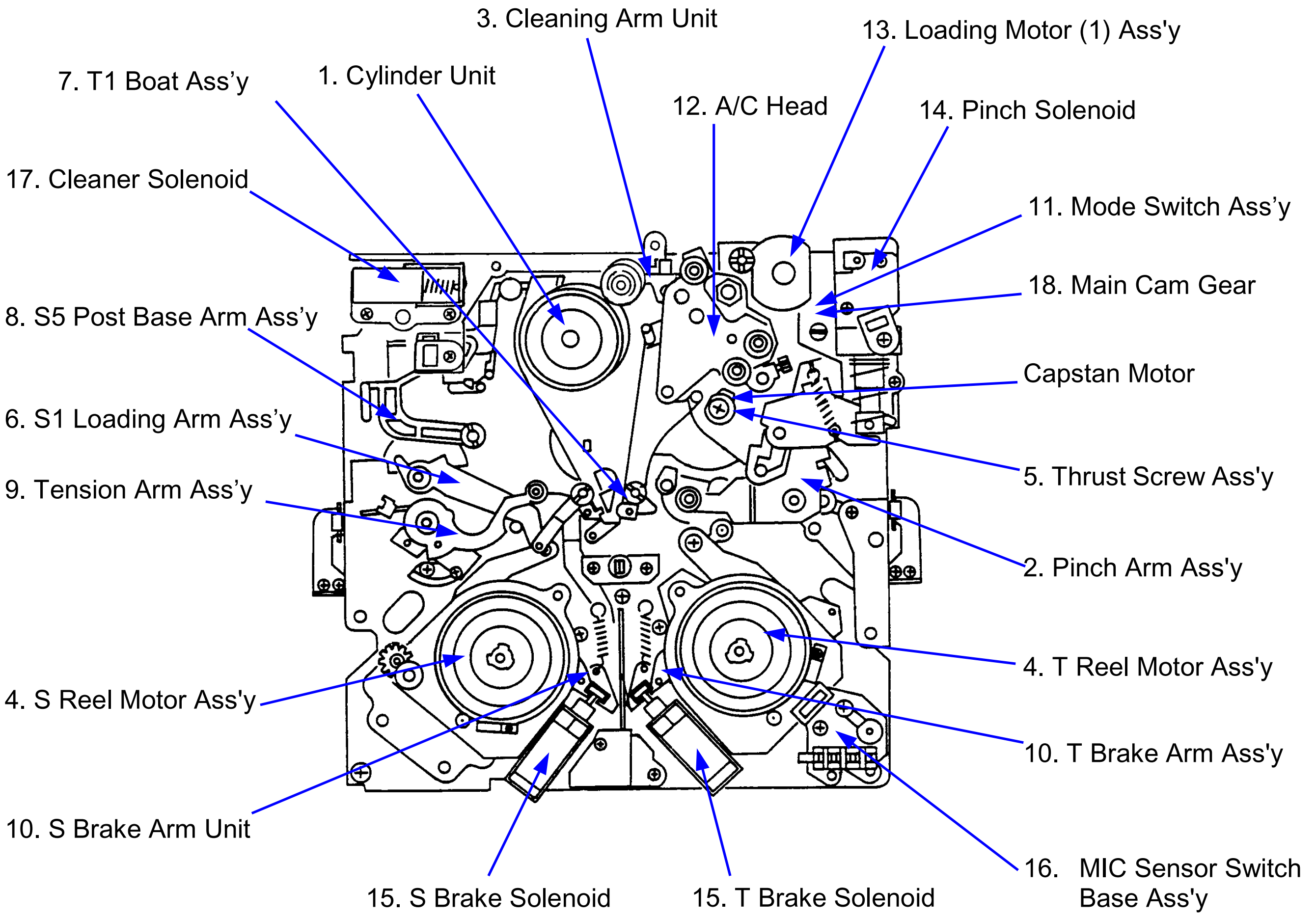
Replacement of the mechanism chassis unit is recommended for the 12,000 h maintenance.

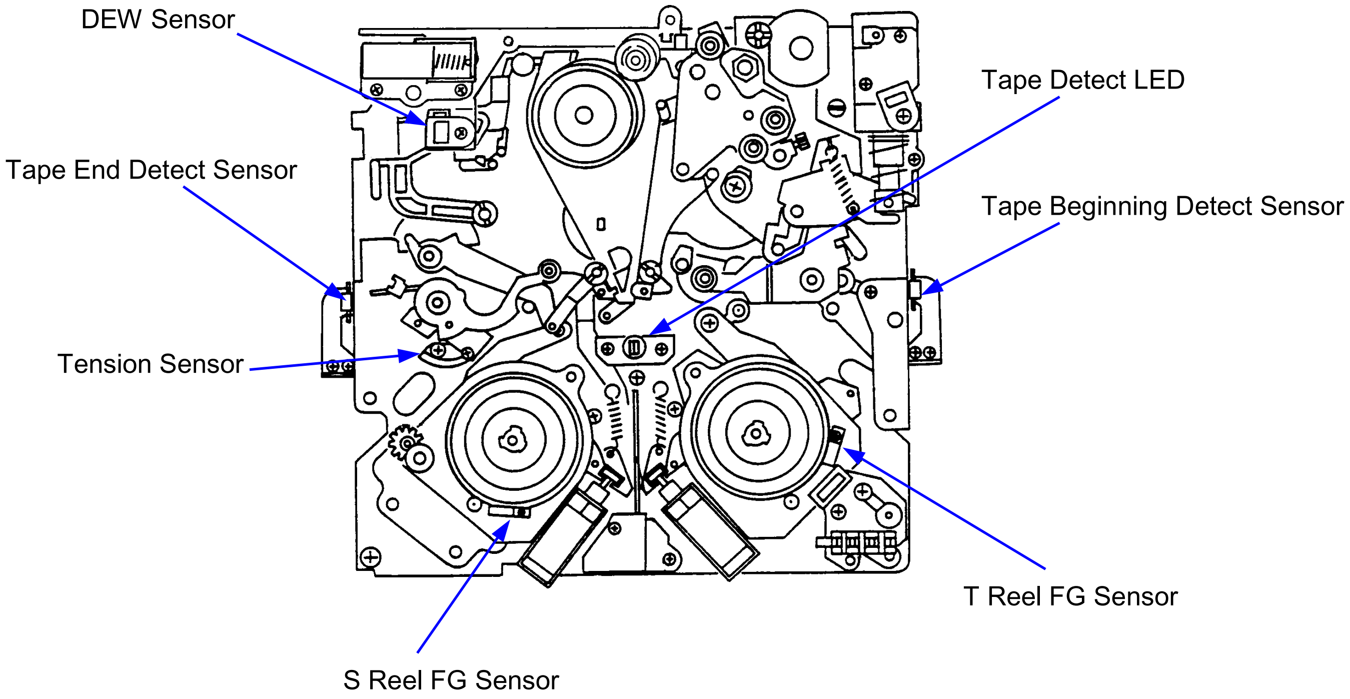
"**C**" : Perform cleaning.
"**R**" : Assembly subject to exchange.
"**Y**" : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
"**G**" : At the time of replacement, wipe off the old grease and apply new grease. (Molytone Grease)
"**L**" : Lubrication is necessary.
"**IM**" : Included in the mechanical chassis unit when the mechanical chassis unit is not replaced, replacement as a single part is required.

<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution.
This is not the life of the various parts.
The life is influenced by temperature, humidity, dust, etc.

5. Layout of the Maintenance Parts & Sensors

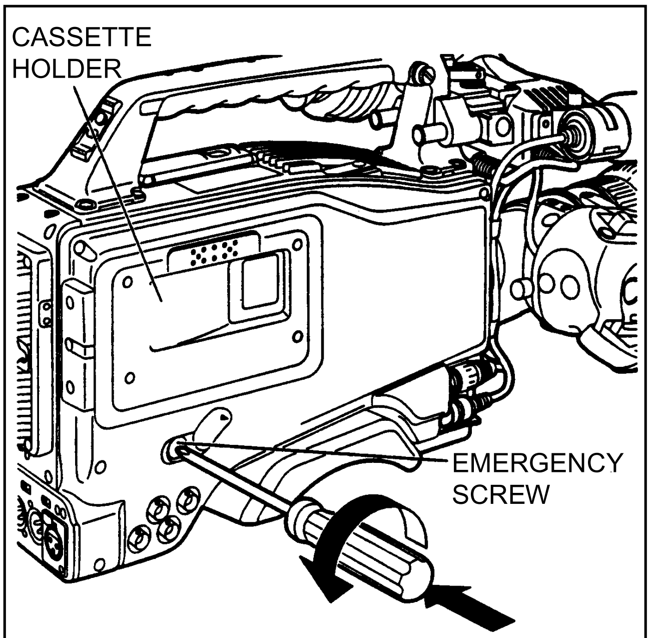

3. Cleaning Arm Unit
13. Loading Motor (1) Ass'y
7. T1 Boat Ass’y
1. Cylinder Unit
12. A/C Head
14. Pinch Solenoid
17. Cleaner Solenoid
11. Mode Switch Ass’y
18. Main Cam Gear
8. S5 Post Base Arm Ass’y
Capstan Motor
6. S1 Loading Arm Ass’y
5. Thrust Screw Ass'y
9. Tension Arm Ass’y
2. Pinch Arm Ass'y
4. T Reel Motor Ass'y
4. S Reel Motor Ass'y
10. T Brake Arm Ass'y
10. S Brake Arm Unit
16. MIC Sensor Switch Base Ass'y
15. S Brake Solenoid
15. T Brake Solenoid


DEW Sensor
Tape Detect LED
Tape End Detect Sensor
Tape Beginning Detect Sensor
Tension Sensor
T Reel FG Sensor
S Reel FG Sensor

6. Emergency Eject

If the cassette cannot be ejected by pressing the EJECT button, use a screwdriver or similar tool to press and turn the EMERGENCY screw. This enables the cassette to be removed.

1. Turn the power OFF.
2. Remove the rubber cap where shown in the figure. Insert a Phillips head screwdriver into the cross-shaped part of the EMERGENCY screw (red).



Turn the emergency screw by pushing it

3. While pushing in with the screwdriver, turn the EMERGENCY screw counterclockwise until the tape is ejected.
   - This screw needs to be rotated through about 20 turns after the first turn until the unloading can be started.
   - This screw needs to be rotated through about 90 turns after the first turn until the tape is ejected.
4. Remove the cassette.
5. Return the rubber cap to its original position.

< Notes >

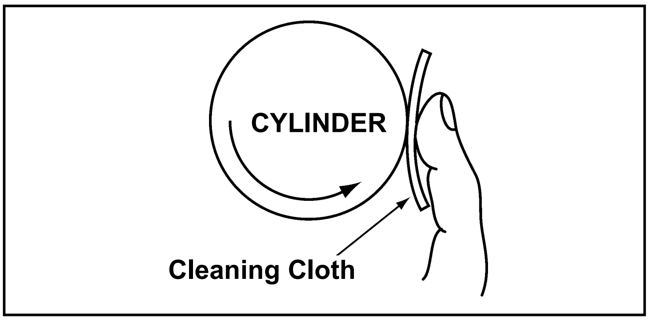
- Do not turn the EMERGENCY screw except in an emergency.
- Do not turn the screw clockwise. Stop turning the screw as soon as the tape is ejected. Otherwise, the mechanism may be damaged.
- After the tape is ejected, the cassette holder will not be locked even when it is closed. Be sure to turn the power off and turn it back on to reset the mechanism’s operation, and then close the cassette holder.
- A clicking sound will be heard while the EMERGENCY screw is been turning: this sound is made by the reel drive operation. Therefore it isn't indication of a malfunction.

7. Cleaning Method

Note: Turn the power OFF during cleaning.
Make sure the power is OFF before cleaning.
Use ethanol (more than 99% purity) as cleaning liquid.

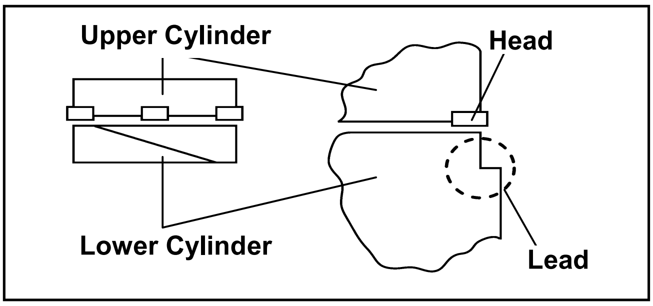
7-1. Cylinder Head Cleaning Method: (Daily)

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by bare hand. At first wipe with a cloth dipped in cleaning liquid. Then wipe with dry cloth.



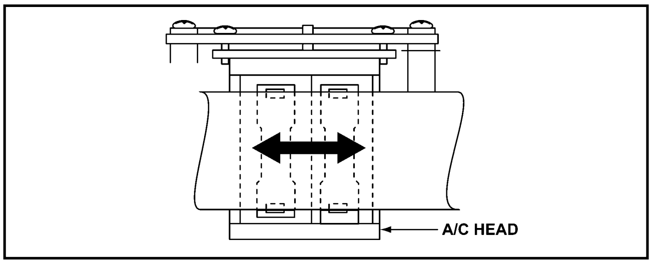
7-2. Cylinder Lead Cleaning Method: (Weekly)

Don’t touch a head chip. Clean the drum lead with a pick.



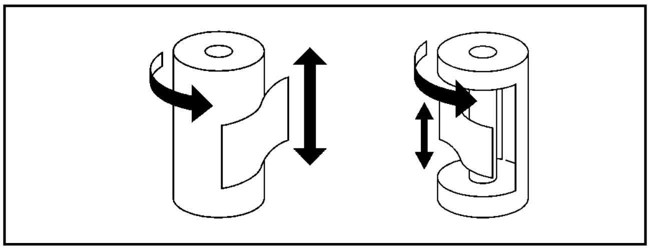
7-3. A/C Head Cleaning Method: (Weekly)

Wipe the A/C head with a cloth dipped in cleaning liquid. Wipe again with a dry cloth.



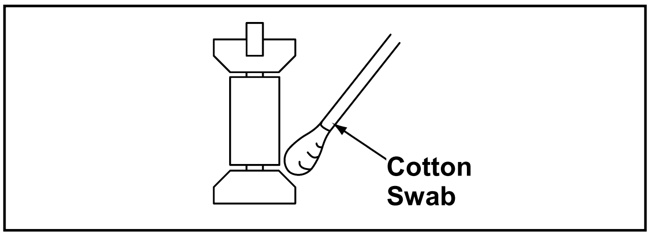
7-4. Pinch Roller and Capstan Shaft Cleaning Method: (Weekly)

Wipe the Pinch Roller and Capstan with a cloth dipped in cleaning liquid.



7-5. Post Cleaning Method: (Weekly)

Wind a cloth on a pick. Wipe each posts with that pick. Wipe again with a dry cloth. For metal posts wipe with a cloth dipped in cleaning liquid. Then wipe it again with dry cloth.



Notes :
Use the clean cloth for cleaning purpose. Do not use any dirty cloth.

The cleaning cloth can be ordered as spare parts.

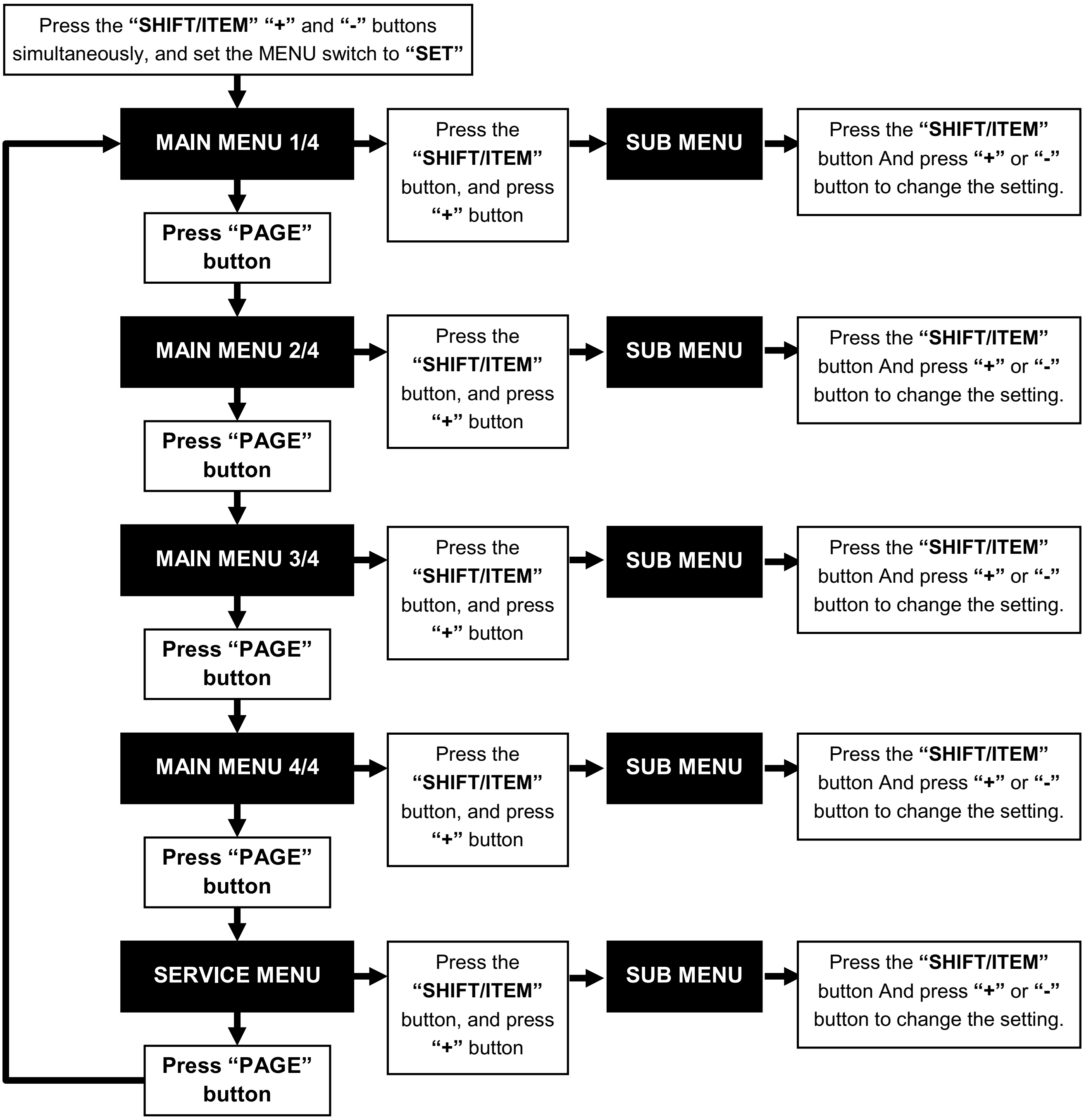
The part number is indicated as below.

CLEANING CLOTH : VZZ0095

8. Basic Setting Menu Operations

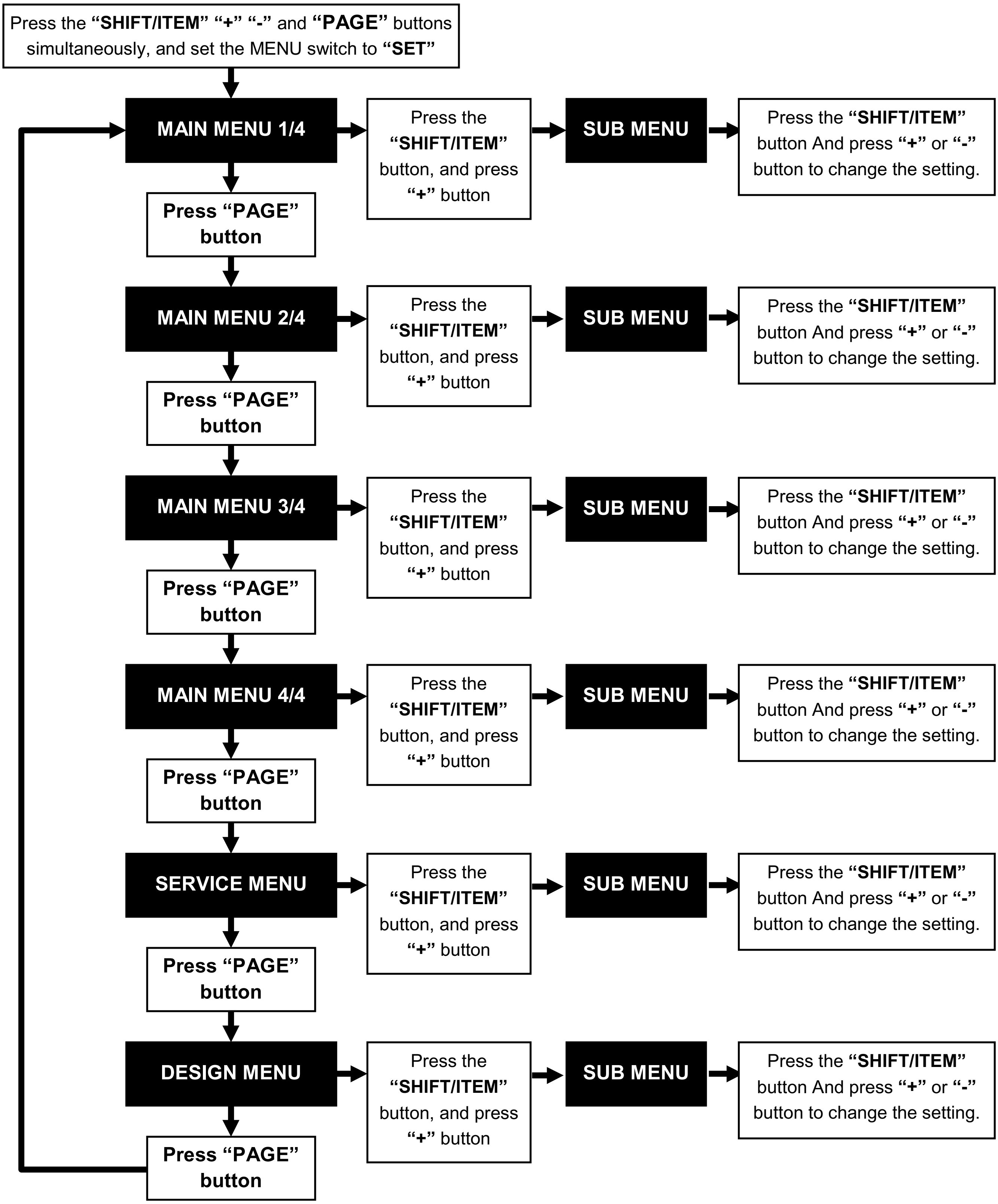
8-1. Service Menu Operation

1. Press the **“SHIFT/ITEM” “+”** and **“-”** buttons of the MENU/Time Code Operation Button (in the door of the right side panel) simultaneously and set the MENU switch to **“SET”**, and then MENU screen is displayed.
2. Press the **“PAGE”** button a few times until SERVICE MENU screen is displayed.
3. Press the **“SHIFT/ITEM”** button to select the SUB MENU. And then press **“+”** button to open the selected SUB menu.
4. Press the **“SHIFT/ITEM”** button to select the item (Move the arrow character top to bottom). And then press **“+”** or **“-”** button to change the setting.


Press the “SHIFT/ITEM” “+” and “-” buttons simultaneously, and set the MENU switch to “SET”
MAIN MENU 1/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
MAIN MENU 2/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
MAIN MENU 3/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
MAIN MENU 4/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
SERVICE MENU
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button

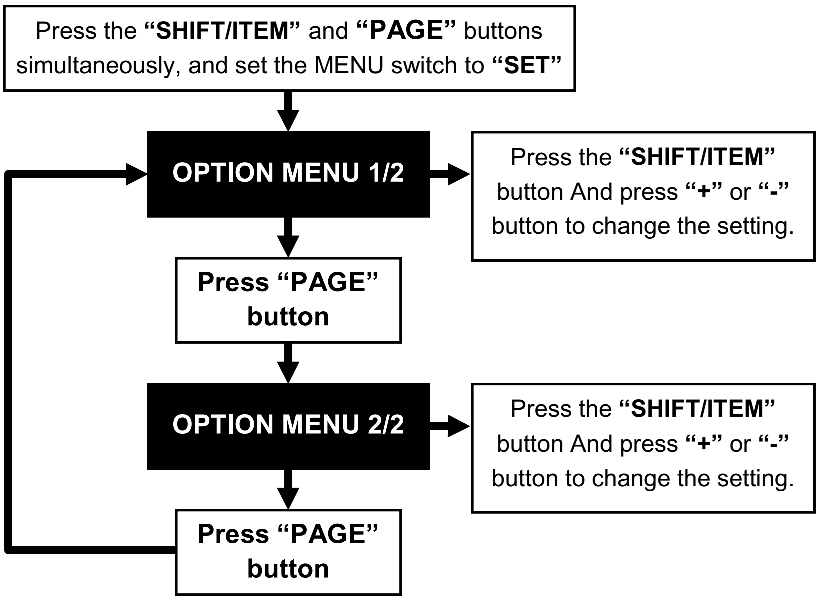
8-2. Design Menu Operation

1. Press the **“SHIFT/ITEM” “+” “-”** and **“PAGE”** buttons of the MENU/Time Code Operation Button (in the door of the right side panel) simultaneously and set the MENU switch to **“SET”**, and then MENU screen is displayed.
2. Press the **“PAGE”** button a few times until DESIGN MENU screen is displayed.
3. Press the **“SHIFT/ITEM”** button to select the SUB MENU. And then press **“+”** button to open the selected SUB menu.
4. Press the **“SHIFT/ITEM”** button to select the item (Move the arrow character top to bottom). And then press **“+”** or **“-”** button to change the setting.


Press the “SHIFT/ITEM” “+” “-” and “PAGE” buttons simultaneously, and set the MENU switch to “SET”
MAIN MENU 1/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
MAIN MENU 2/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
MAIN MENU 3/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
MAIN MENU 4/4
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
SERVICE MENU
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
DESIGN MENU
Press the “SHIFT/ITEM” button, and press “+” button
SUB MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button

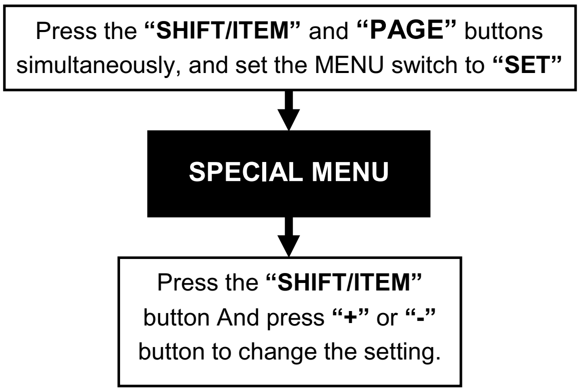
8-3. Option Menu Operation

1. Press the **“SHIFT/ITEM”** and **“PAGE”** buttons of the MENU/Time Code Operation Button (in the door of the right side panel) simultaneously and set the MENU switch to **“SET”**, and then Option MENU screen is displayed.
2. Press the **“PAGE”** button to select the **“OPTION MENU 1/2”** or **“OPTION MENU 1/2”**
3. Press the **“SHIFT/ITEM”** button to select the item (Move the arrow character top to bottom). And then press **“+”** or **“-”** button to change the setting.


Press the “SHIFT/ITEM” and “PAGE” buttons simultaneously, and set the MENU switch to “SET”
OPTION MENU 1/2
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button
OPTION MENU 2/2
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.
Press “PAGE” button

8-4. Special Menu Operation

1. Press the **“HOLD”** and **“RESET”** buttons of the Time Code Operation Button simultaneously and set the MENU switch to **“SET”**, and then Special MENU screen is displayed.
2. Press the **“SHIFT/ITEM”** button to select the item (Move the arrow character top to bottom). And then press **“+”** or **“-”** button to change the setting.


Press the “SHIFT/ITEM” and “PAGE” buttons simultaneously, and set the MENU switch to “SET”
SPECIAL MENU
Press the “SHIFT/ITEM” button And press “+” or “-” button to change the setting.

9. Service Menu Item Contents

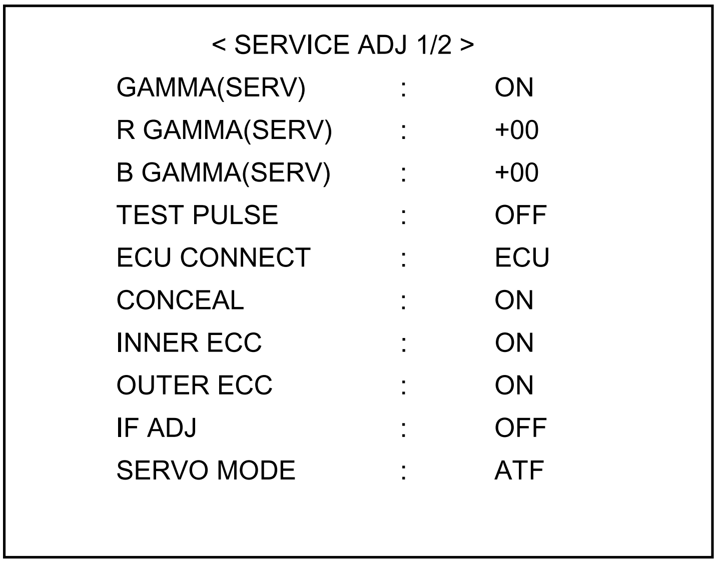
AJ-D910WB has different kinds of setting menus, which are User, Engineer, Service, Design, Option and Special. For operation of User and Engineer menu, please refer to Operating Instructions. When Service or Design menu is opened User and Engineer menu screen also can be selected as shown below table. When Option or Special menu is opened, only these menu screens are displayed.

<Table of Setting Menu>

Mode set		Menu sw on	SHIFT&+	SHIFT&+&-	SHIFT&+&-&PAGE	PAGE & SHIFT	SHIFT & RESET
Main Menu	Sub Menu	User	Engineer	Service	Design	Option	Special
MAIN MENU 1/4	ROP	○	○	○	○		
	MATRIX		○	○	○		
	LOW SETTING		○	○	○		
	MID SETTING		○	○	○		
	HIGH SETTING		○	○	○		
	ADDITIONAL DTL		○	○	○		
	SKIN TONE DTL		○	○	○		
	KNEE/LEVEL		○	○	○		
	FLARE/GAMMA		○	○	○		
	CAMERA SETTING		○	○	○		
MAIN MENU 2/4	VF DISPLAY		○	○	○		
	VF INDICATOR	○	○	○	○		
	CAMERA ID	○	○	○	○		
	SHUTTER SPEED		○	○	○		
	SYNCRO SCAN	○	○	○	○		
	! LED		○	○	○		
	CAMERA SW MODE		○	○	○		
	SUPER GAIN		○	○	○		
	VTR FUNCTION		○	○	○		
	BATT/TAPE ALARM		○	○	○		
MAIN MENU 3/4	CARD READ/WRITE	○	○	○	○		
	CARD R/W SELECT		○	○	○		
	REC(ASPECT)/PB/RET	○	○	○	○		
	MIC/AUDIO		○	○	○		
	GENLOCK/IRIS		○	○	○		
	VIDEO OUT		○	○	○		
	TIME/DATE		○	○	○		
	LENS SEL/ADJ		○	○	○		
MAIN MENU 4/4	USER MENU SEL 1/3		○	○	○		
	USER MENU SEL 2/3		○	○	○		
	USER MENU SEL 3/3		○	○	○		
	AUTO SHADING		○	○	○		
	EVALUATION		○	○	○		
	INITIALIZE		○	○	○		
	DIAGNOSTIC		○	○	○		
REMOTE	VF IND.(REMOTE)		○	○	○		
	!LED(REMOTE)		○	○	○		
	TALLY/RET(REMOTE)		○	○	○		
SERVICE	SERVICE ADJ 1/2			○	○		
	SERVICE ADJ 2/2			○	○		
	DEFECT COMPENSATION			○	○		
	ND COMPENSATION			○	○		
	VTR D/A DATA			○	○		
	BATTERY SETTING			○	○		
	WHITE SHADING			○	○		
DESIGN	DESIGN				○		
	HOUR METER RESET				○		
OPTION	OPTION MENU 1					○	
	OPTION MENU 2					○	
SPECIAL	SPECIAL MENU						○

9-1. Service Menu Screen.

[SERVICE ADJ 1/2 MENU SCREEN]



```
            < SERVICE ADJ 1/2 >
GAMMA(SERV)          :        ON
R GAMMA(SERV)        :        +00
B GAMMA(SERV)        :        +00
TEST PULSE           :        OFF
ECU CONNECT          :        ECU
CONCEAL              :        ON
INNER ECC            :        ON
OUTER ECC            :        ON
IF ADJ               :        OFF
SERVO MODE           :        ATF
```

This menu is use for setting.

ITEM	RANGE	PRESET	REMARKS
GAMMA (SERV)	ON/OFF	ON	This selects ON or OFF for the GAMMA correction.
R GAMMA (SERV)	-10 - +10	+00	Adjustment of Rch GAMMA for service.
B GAMMA (SERV)	-10 - +10	+00	Adjustment of Bch GAMMA for service.
TEST PULSE	ON/OFF	OFF	TEST PULSE becomes available.
ECU CONNECT	ECU/EVR	ECU	Select the using of the ECU connector ECU : Connect with ECU EVR : Connect with EVR tool.
CONCEAL	ON/OFF	ON	
INNER ECC	ON/OFF	ON	
OUTER ECC	ON/OFF	ON	
IF ADJ	ON/OFF	OFF	Turn ON when adjusting Video I/F board.
SERVO MODE	ATF/CTL	ATF	Selection of SERVO MODE. ATF : Capstan servo is controlled by ATF CTL : Capstan servo is controlled by CTL

[SERVICE ADJ 2/2 MENU SCREEN]

```
           < SERVICE ADJ 2/2 >
R GAMMA(1)          :      +000
B GAMMA(1)          :      +000
R GAMMA(2)          :      +000
B GAMMA(2)          :      +000
R GAMMA(3)          :      +000
B GAMMA(3)          :      +000
R GAMMA(4)          :      +000
B GAMMA(4)          :      +000
KNEE GAIN           :      +000
```

This menu is use for setting.

ITEM	RANGE	PRESET	REMARKS
R GAMMA (1)	-128 - +127	------	Rch GAMMA adjustment (Gain : Less than +15dB)
B GAMMA (1)	-128 - +127	------	Bch GAMMA adjustment (Gain : Less than +15dB)
R GAMMA (2)	-128 - +127	------	Rch GAMMA adjustment (Gain : +18dB to +30dB)
B GAMMA (2)	-128 - +127	------	Bch GAMMA adjustment (Gain : +18dB to +30dB)
R GAMMA (3)	-128 - +127	------	Rch GAMMA adjustment (Gain : +36dB to +46dB)
B GAMMA (3)	-128 - +127	------	Bch GAMMA adjustment (Gain : +36dB to +46dB)
R GAMMA (4)	-128 - +127	------	AUTO KNEE adjustment (start point)
B GAMMA (4)	-128 - +127	------	AUTO KNEE adjustment (saturated point)
KNEE GAIN	-128 - +127	------	AUTO KNEE adjustment (gain)

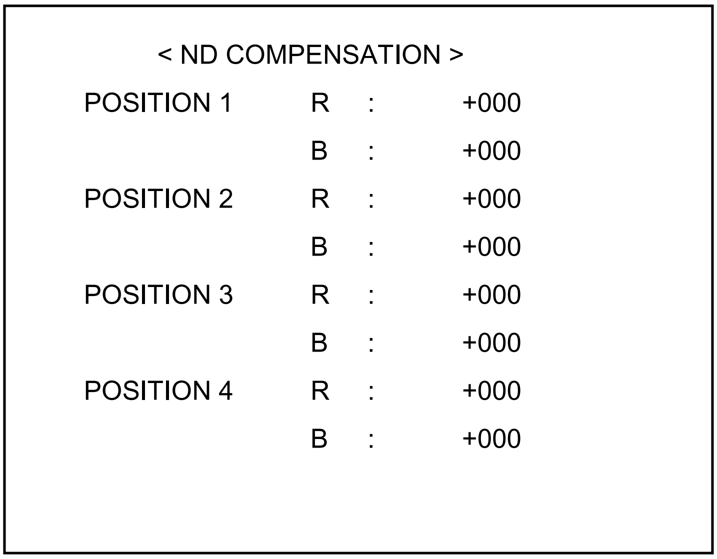
[DEFECT COMPENSATION MENU SCREEN]

```
            < DEFECT COMPENSATION >

DEFECT ADJ MODE      :        OFF
DEFECT NO.           :        00
CURSORS ADJ
   V (+/- SW)                 0000
   H (FF/REW SW)              0000
FIELD CONT           :        A
DUAL PIXEL           :        OFF
COMPENSATION         :        ON
DATA CLR
```

This menu is use for blemish compensation.

ITEM	RANGE	PRESET	REMARKS
DEFECT ADJ MODE	ON/OFF	OFF	ON for Defect Compensation adjustment. <Note> This mode goes to OFF automatically when MENU is closed or Page is changed
DEFECT NO.	00 - 15	00	Select of compensation No. <Note> This mode goes to OFF automatically when MENU is closed or Page is changed
CURSORS ADJ	------	------	Cursor can be moved by the following way. Horizontal direction :+/- SW Vertical direction : FF/REW SW
H (+/- SW)	0000 -	------	Horizontal position address of cursor.
V (FF/REW SW)	0000 -	------	Vertical position address of cursor.
FIELD CONT	A/B	A	Field mode of Defect Compensation. (Not working)
DUAL PIXEL	ON/OFF	OFF	Select the Dual pixel compensation ON/OFF.
CONPENSATION	ON/OFF	ON	Select the Compensation ON/OFF.
DATA CLR	------	------	All defect compensation data is reset to original data, when this item is selected and + button is pressed with DEFECT ADJ MODE OFF

[ND COMPENSATION MENU SCREEN]



```
        < ND COMPENSATION >
POSITION 1     R   :      +000
               B   :      +000
POSITION 2     R   :      +000
               B   :      +000
POSITION 3     R   :      +000
               B   :      +000
POSITION 4     R   :      +000
               B   :      +000
```

This menu is use for no colored adjustment to every ND filter.

ITEM	RANGE	PRESET	REMARKS
POSITION 1 R	-128 - +127	------	For ND filter No.1 (CLEAR)
B	-128 - +127	------	
POSITION 2 R	-128 - +127	------	For ND filter No.2 (1/4 ND)
B	-128 - +127	------	
POSITION 3 R	-128 - +127	------	For ND filter No.3 (1/16 ND)
B	-128 - +127	------	
POSITION 4 R	-128 - +127	------	For ND filter No.4 (1/64 ND)
B	-128 - +127	------	

[VTR D/A DATA MENU SCREEN]

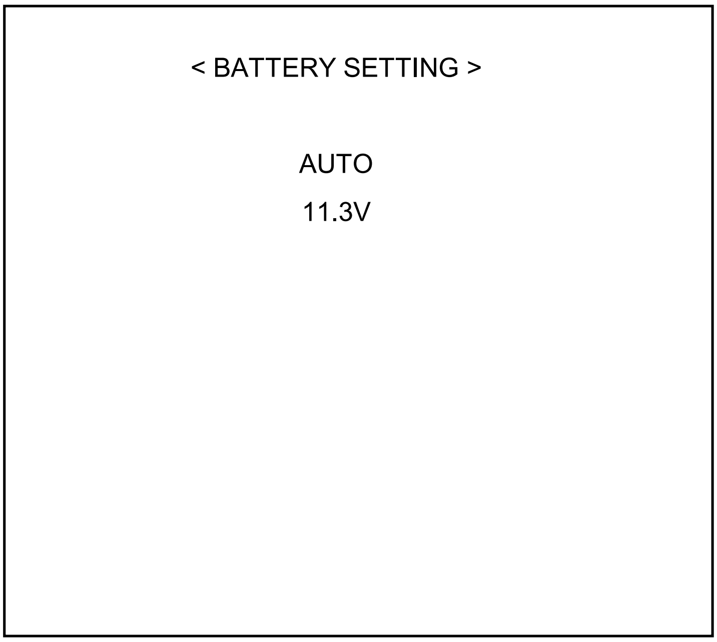
```
               < VTR D/A DATA >

(01) 98   (02) 7F   (03) 77   (04) 9D
(05) 00   (06) 00   (07) 90   (08) 90
(09) 40   (0A) 40   (0B) 72   (0C) 60
(0D) 40   (0E) B0   (0F) 90   (10) B0
(11) 69   (12) 63   (13) 63   (14) 00
(15) 00   (16) 00   (17) 00   (18) C8
(19) 85   (1A) 75   (1B) 75   (1C) FF
(1D) 85   (1E) 55   (1F) 50   (20) B1
(21) B5   (22) 00   (23) FF   (24) FF
```

The data, which is adjusted by EVR, is displayed.

No.(address)	Adjustment	Board
(01)	-------	-------
(02)	-------	-------
(03)	-------	-------
(04)	AUDIO VCO	V MAIN
(05)	-------	-------
(06)	-------	-------
(07)	EQ α (L Ch)	RF
(08)	EQ α (R Ch)	RF
(09)	EQ β (L Ch)	RF
(0A)	EQ β (R Ch)	RF
(0B)	EQ PLL VCO	RF
(0C)	ATF GAIN	RF
(0D)	EQ SLICE	RF
(0E)	EQ MAIN DELAY	RF
(0F)	EQ PLL POS.	RF
(10)	AUDIO EQ	RF
(11)	Y CLAMP DC	V I/F
(12)	Pb CLAMP DC	V I/F

No.(address)	Adjustment	Board
(13)	Pr CLAMP DC	V I/F
(14)	-------	-------
(15)	-------	-------
(16)	-------	-------
(17)	-------	-------
(18)	------	------
(19)	VIDEO IN HUE	V I/F
(1A)	VIDEO IN OUT BIAS	V I/F
(1B)	PLL VCO	V I/F
(1C)	VIDEO IN Y/C SEP. VCO	V I/F
(1D)	-------	-------
(1E)	-------	-------
(1F)	-------	-------
(20)	-------	-------
(21)	-------	-------
(22)	------	------
(23)	------	------
(24)	------	------

[BATTERY SETTING MENU SCREEN]



< BATTERY SETTING >

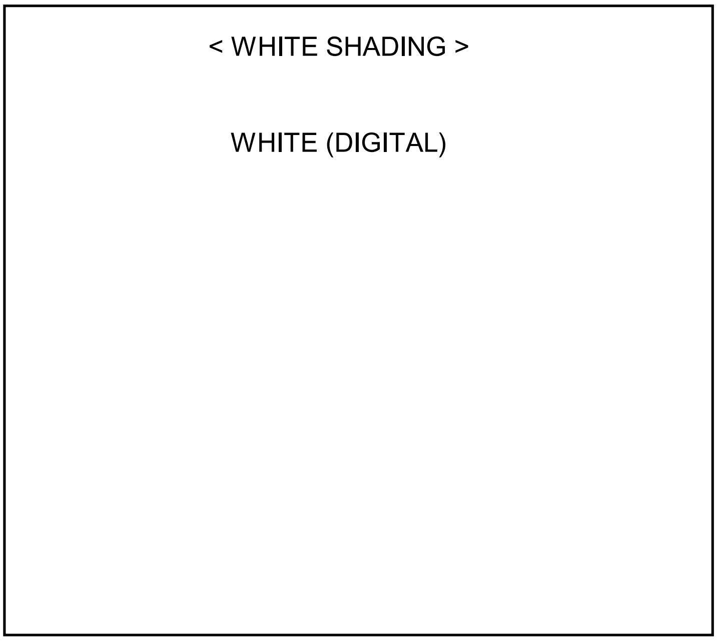
AUTO

11.3V

The warning is appeared when the battery voltage becomes less than setting voltage.

ITEM	RANGE	PRESET	REMARK
AUTO / MANUAL	AUTO/MANUAL	AUTO	AUTO : The detection voltage of "BATTERY BEFORE END" follows the following value. (Battery type is selected by item “BATTERY SELECT” on FUNCTION 3/5 menu screen) Ni-Cd 12V : 11.5V Ni-Cd 13V : 12.8V Ni-Cd 14V : 13.9V IDX L40 : 12.75V L60 : 11.3V L90 : 11.15V Anton-D : 13.4V IDX-D : 12.75V MAMUAL: The value, which was set at the following item irrespective of the kind of the battery, becomes the detection voltage of BATTERY BEFORE END.
BATTERY BEFORE END	11.0V - 14.0V	11.3V	Adjustable by 0.1V step.

[WHITE SHADING MENU SCREEN]



< WHITE SHADING >

WHITE (DIGITAL)

AUTO WHITE SHADING can be executed.

ITEM	RANGE	PRESET	REMARK
WHITE(DIGITAL)	-------	-------	Execute the Auto White Shading.

9-2. Design Menu Screen.

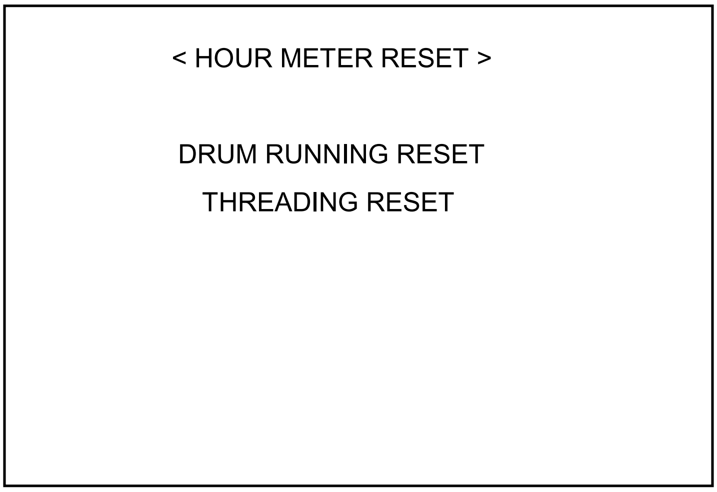
[DESIGN MENU SCREEN]

```
                < DESIGN >

MENU ALL INIT.
LUMADLY               :        0
ENC                   :        NORM
DEFECT MODE           :        ON
(STATUS)              :        OFF
BER ADJ               :        OFF
BER SPEED             :        SLOW
```

CAUTION : All menu data except FLARE and GAMMA setting will be reset when UP or DOWN button is pressed at MENU ALL INIT mode.

ITEM	RANGE	PRESET	REMARK
MENU ALL INIT.	------	------	Reset all data on all menu (refer to above sentence). Also reset OPERATION, DRUM and THEREADING time.
LUMADLY	0 - 3	0	Y signal is delayed against chroma signal. (At only playback mode)
ENC	NORM/BAR/C OFF	NORM	Select the output signal mode. NORM : BAR signal at EE mode, Playback signal at Playback mode B A R : Always BAR signal output. C OFF : Chroma signals OFF (at Playback)
DEFECT MODE	ON/OFF	ON	Not used for this model.
(STATUS)	ON/OFF	------	Not used for this model.
BER ADJ	ON/OFF	OFF	Select the error rate display mode or audio level display mode on Audio Level Meter. OFF : Display the Audio Level. ON : Display the Error Rate.
BER SPEED	SLOW/FAST	SLOW	Select the error rate display mode. SLOW : SLOW mode. FAST : FAST mode.

[HOUR METER RESET MENU SCREEN]



< HOUR METER RESET >

DRUM RUNNING RESET
THREADING RESET

ITEM	RANGE	PRESET	REMARK
DRUM RUNNING RESET	------	------	Reset the Drum Running time.
THREADING RESET	------	------	Reset the loading/unloading times.

9-3. Option Menu Screen
[Option Menu 1 Screen]

```
              < OPTION MENU 1>

ENG SECURITY        :         OFF
TC OUT              :         TCG
BATT WARNING        :         ON
TAPE WARNING        :         3min
MIC POWER INH       :         OFF
BATT REMAIN(F)      :         70%
TAPE REMAIN         :         3min
CUE SELECT          :         SW
V BLANKING          :         20H
SAVE LED            :         SAVE
```

ITEM	RANGE	PRESET	REMARK
ENG SECURITY	ON/OFF	OFF	OFF : Engineer, Service and Design menu can be opened. ON : Engineer, Service and Design menu can not be opened. To open those menus turn Power SW OFF under the condition the CAM/BAR SW set to BAR side and then AWB/ABB SW set to ABB side, turn POWER SW ON all menus can be open.
TC OUT	TCG,TCG/TCR	TCG	TCG : TCG signal always output TCG/TCR : TCR signal output in V-V mode and TCG signal output in E-E mode.
BATT WARNING	ON/OFF	ON	ON : When the unit becomes BATT NEAR END condition, ALARM and TALLY lamp are flashing. OFF : When the unit becomes BATT NEAR END condition, ALARM and TALLY are not flashing.
TAPE WARNING	3min/2min	3min	ON : When the unit becomes BATT NEAR END condition, ALARM and TALLY lamp are flashing. OFF : When the unit becomes BATT NEAR END condition, ALARM and TALLY lamp are not flashing.
MIC POWER INH (PAL MODEL ONLY)	ON/OFF	OFF	MIC POWER SW SETTING ON : MIC POWER SW is always OFF. OFF : MIC POWER SW can be setting by Side panel.
BATT REMAIN (F)	70%/100%	70%	The way to battery remains display. (LCD PANEL) 70% : MAX70% display. 100% : MAX100% display.
TAPE REMAIN	3min/5min	5min	The way to tape remains display. (LCD PANEL) 3min : Display to 3min / scale 5min : Display to 5min / scale
CUE SELECT	SW/CH1/CH2/ MIX	SW	Select the CUE audio sources. SW : Normal mode (Can be select the side panel sw) Other : Mode is Fixed to your selected item.
V BLANKING	20H/21H	20H	Setting for V Blanking position.
SAVE LED	SAVE/S.&TAPE	S.&TAPE	Role addition to the “VTR SAVE” indicator. (On the VF) SAVE : Normal mode (SAVE / STBY SW position displayed) S.&TAPE : Tape remain warning (By LED Flashing) in additions to Normal mode.

[OPTION MENU 2 SCREEN]

```
              < OPTION MENU 2>

   26P CTL DEFAULT      :        NORMAL
   ADDITIONAL MENU      :        OFF
   SHD, ABB SW CTRL     :        OFF
   CAMERA ADP.          :        TRIAX
```

ITEM	RANGE	PRESET	REMARKS
26P CTL DEFAULT	NORMAL/ SPECIAL	NORMAL	Select the portable VTR that is connected to 26P connector. When set the 26P CONTROL (in VTR FUNCTION Menu) to OFF, START/STOP terminal in the 26P connector is set to the following. NORMAL : LOW (AJ-D92, etc) SPECIAL : HIGH (AG-7400)
ADDITIONAL MENU	ON/OFF	OFF	When set to ON, MDR menu is added MDR Menu 1. Change display of SAFTY MARKER 2. Added item in SPECIAL MENU (HUMID OPE, TCG VF DISP, SHOCKLES AWB, TRANSITION) 3. ENG SECURITY is OFF (Turn the power to ON after install the formatted setup card. It can use the setup card even it is formatted other VTR.)
SHD, ABB SW CTRL	ON/OFF	OFF	Select ABB switch control. ON : The black shading is executed when press and keep the ABB SW approx. 5sec. OFF : Only ABB is executed
CAMERA ADP.	TRIAX/4ch	TRIAX	Select the Camera Adapter TRIAX : When connect the Digital Triax system 4ch : When connect the Audio 4ch adapter

9-4. Special Menu Screen

[SPECIAL MENU SCREEN]

```
< MASTER GAIN >
        LOW GAIN        :       0dB
        MID GAIN        :       9dB
        HIGH GAIN       :       18dB
< BATTERY >
        SELECT          :       Nicd12
< COLOR BAR >
        SELECT          :       SMPTE
< REC SIGNAL >
        SELECT          :       CAM
```

ITEM	RANGE	PRESET	REMARKS
< MASTER GAIN >			This Selects the following gain for LOW/MID/HIGH position. "-3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 30dB"
LOW GAIN	-3dB ~ 30dB	0dB	
MID GAIN	-3dB ~ 30dB	9dB	
HIGH GAIN	-3dB ~ 30dB	18dB	
< BATTERY > SELECT	Nicd12 Nicd13 Nicd14 IDX L40 L-60 L-90 ANTON_D IDX_D	Nicd12	This selects the battery type. **NiCd12:** When a +12V NiCd battery is used. **NiCd13:** When a +13V NiCd battery is used. **NiCd14:** When a +14V NiCd battery is used. **IDXL-40:** When the L-40 battery madeby IDX is used **L-60/L-90:** When a battery made bySony is used **ANTON-D:** When a battery made byAnton Bauer is used **IDX-D:** When a battery made by IDXis used digitally
< COLOR BAR > SELECT	SMPTE/SNG	SMPTE	This selects the Color bar signal type. SMPTE : SMPTE Color bar SNG : SNG(SPLIT) Color bar
< REC SIGNAL > SELECT	CAM/VIDEO	CAM	This selects the video-input signals. **CAM:** Signals input from the camera. **VIDEO:** Signals input from the GENLOCK IN connector. * Even when VIDEO has been selected as the REC.SIGNAL item setting, the setting will revert to CAM when the power is turned off and then turned back on.

10. Adjustment for CCD Ass'y Replacement

When replace the CCD Ass'y (Include PRE AMP/CCD PULSE/DRIVE board), perform the next procedure with SECTION 3 ELECTRICAL ADJUSTMENT PROCEDURE.

10-1. Adjustment Procedure

1. Perform the A/D INPUT GAIN of the Pre Process board.
   (Adjust with TEST SAW signal)
2. Perform the DYNAMIC RANGE (AUTO KNEE) adjustment. It adjust R GAMMA (4) and B GAMMA (4) of SERVICE ADJ. 2/2 page.
3. Perform the White Shading / Black Shading adjustment.
4. Perform the FLARE adjustment.

After adjusting the all 4 item, Check camera performance.

11. Auto off Information

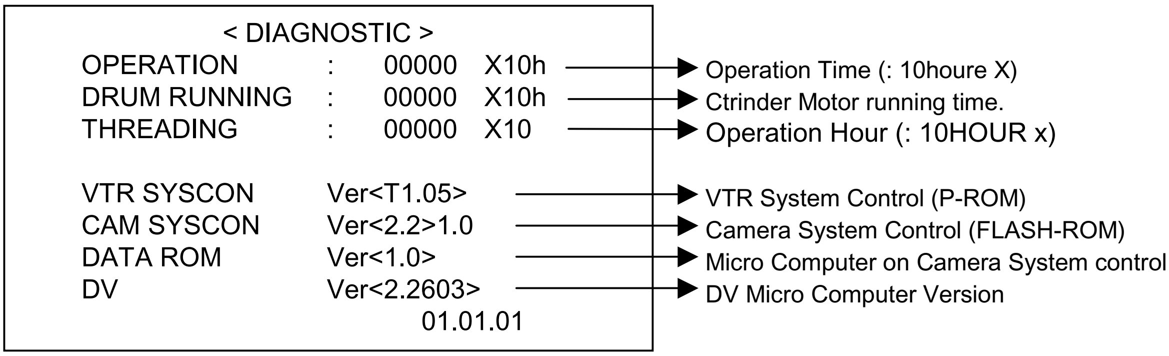
Error No.	Meaning	Detected Condition	Check
04	Fault of Pinch Solenoid Drive or Reel Brake Solenoid Drive.	Drive current is supplied to solenoids more than 5 seconds. (Normal : 100msec.)	1. Drive circuits of S* or T* Brake Solenoids and Pinch Solenoid. P610-#1 and #3, P605, P608, IC501-#99
28	Fault of Cleaner Solenoid Drive	Drive current is supplied to solenoid more than 30 seconds. (Normal : max.10sec)	1. Drive circuit of Cleaner Solenoid. IC501-#98
0B	Supply Reel fault	The condition that the amount of tape running is less than one-eighth of specification according to operationed mode lasts more than 5 seconds.	1. Reel motor doesn't rotate. ->Drive circuit : P614(S*) P615(T*) 2. Reel brake isn't released. ->Drive circuit : P605(S*) P608(T*) 3. Cassette is not loaded correctly on a reel. 4. Tape is stacked to drum.
0C	Take-up Reel fault		
0D	Capstan fault	The condition that FG frequency is less than half or more than twice of specification lasts more than 1.5 seconds.	1. Capstan doesn't rotate. ->Drive circuit : P616 2. No capstan FG. ->P616-#1 and #3
0E	Cylinder fault	The condition that FG frequency is less than half or more than twice of specification lasts more than 3 seconds, even after cylinder has rotated more than 2 seconds.	1. Cylinder doesn't rotate. ->Drive circuit : P613 2. No cylinder FG. ->P613-#9
0F	Loading fault	Loading or Unloading is not completed within less than 10 seconds.	1. Loading motor doesn't rotate. ->Drive voltage P611 2. Take-up reel torque is over specification.

Note : Connectors and ICs are located on Servo board.
S* : Supply Reel
T* : Take-up Reel
# : Pin No.

12.DIAG-MENU Display

12-1. Version Display Operation and Hour Meter Display

1. Press the **"SHIFT/ITEM"** and **"+"** buttons of the MENU/Time Code Operation Button (in the door of the right side panel) simultaneously and set the MENU switch to **"SET"**, and then MENU screen is displayed.
2. Press the **"PAGE"** button a few times until DIAGNOSTIC MENU screen is displayed.



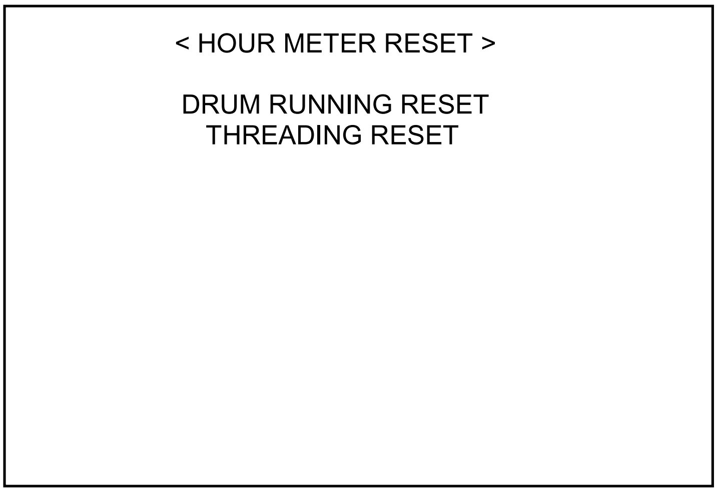
```
                 < DIAGNOSTIC >
   OPERATION        :    00000   X10h  ──▶ Operation Time (: 10houre X)
   DRUM RUNNING     :    00000   X10h  ──▶ Ctrinder Motor running time.
   THREADING        :    00000   X10   ──▶ Operation Hour (: 10HOUR x)

   VTR SYSCON       Ver<T1.05>         ──▶ VTR System Control (P-ROM)
   CAM SYSCON       Ver<2.2>1.0        ──▶ Camera System Control (FLASH-ROM)
   DATA ROM         Ver<1.0>           ──▶ Micro Computer on Camera System control
   DV               Ver<2.2603>        ──▶ DV Micro Computer Version
                            01.01.01
```

12-2. How to Reset Hour Meter

DIAGNOSTIC screen displays operating condition and software version as mentioned on Operating Instructions. Drum Running Hours and Threading Times can be reset by HOUR METER RESET menu.

< How to reset >

After select this menu, press UP or DOWN button, and then execute reset function.

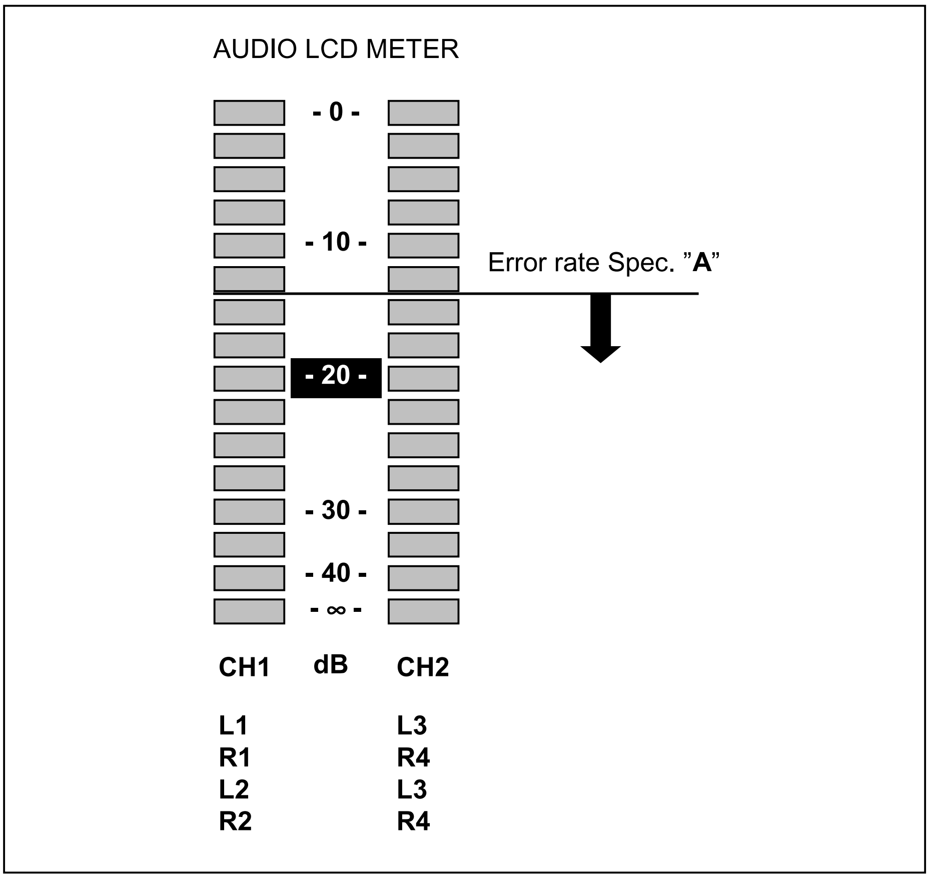


```
          < HOUR METER RESET >

           DRUM RUNNING RESET
             THREADING RESET
```

13. Error Rate Display and Confirmation Method

13-1. Error Rate Display Method

1. Press the **"SHIFT/ITEM" "+" "-"** and **"PAGE"** buttons of the MENU/Time Code Operation Button (in the door of the right side panel) simultaneously and set the MENU switch to **"SET"**, and then MENU screen is displayed.
2. Press the **"PAGE"** button a few times until DESIGN MENU screen is displayed.
3. Confirm "**BER SPEED**" setting is "**SLOW**".
4. Select "**BER ADJ**" by **"SHIFT/ITEM"** button, and select the head
   BER ADJ item : **OFF / Lch / Rch**
5. The Error rate will be displayed in the Audio meter on the Audio LCD panel.

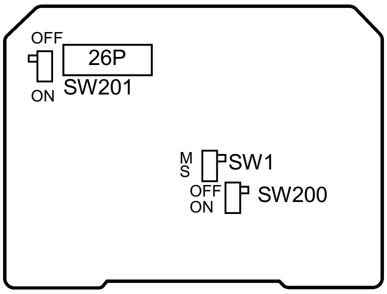

AUDIO LCD METER
- 0 -
- 10 -
Error rate Spec. "A"
- 20 -
- 30 -
- 40 -
- ∞ -
CH1
dB
CH2
L1
R1
L2
R2
L3
R4
L3
R4

14. Internal Switch Setting Method

The switch settings on each circuit board are shown below.
"Factory use only" switches must be set to the "Factory setting".

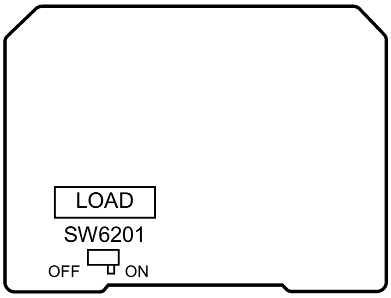
Board Name	Ref. No.	SW	Factory Setting	Feature
AUDIO LCD	SW4001	–	–60dBu	FRONT MIC Input level setting(–60dBu / –40dBu)
	SW4101	–	–60dBu	REAR CH1 MIC Input level setting(–60dBu / –40dBu)
	SW4102	–	P48	CH1 Phantom MIC Power(AB/P12/P48)
	SW4201	–	–60dBu	REAR CH2 MIC Input level setting(–60dBu / –40dBu)
	SW4202	–	P48	CH2 Phantom MIC Power(AB/P12/P48)
	SW4701	1	-----	Not use
		2	OFF	DOLBY NR Setting
		3	ON	UNBAL/BAL setting for 26P AUDIO OUT 3,5:ON/4,6:OFF=BALANCE OUT 3,5:OFF/4,6:ON=UN BALANCE OUT
		4	OFF	
		5	ON	
		6	OFF	
CAMERA SYSCON	SW6201	–	OFF	LOAD SW : When version up the FLASH ROM, it should be "ON".
ENCODER	SW1	–	MII(ON)	Level selector for PR/PB OUT(S:OFF/MII:ON)
	SW200	–	ON	Chroma signal ON/OFF
	SW201	–	OFF	When install AJ-YA900/700 26P adapter or DIGITAL TRIAX system, set to "ON"
SYNC(SUB)	SW3001	–	OFF	When install DIGITAL TRIAX system, set to "ON".
SERVO	SW2901	1	ON	Model select SW (AJ-D910W,D900W:ON / AJ-D810A,WA:OFF)
		2	OFF	Format select SW (ON:PAL / OFF:NTSC)

CAMERA ENC Board


OFF
ON
26P
SW201
M
S
SW1
OFF
ON
SW200

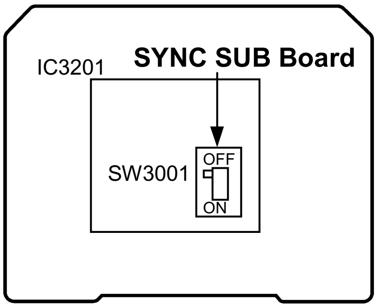
(COMPONENT SIDE)

CAMERA SYSCON Board


LOAD
SW6201
OFF
ON

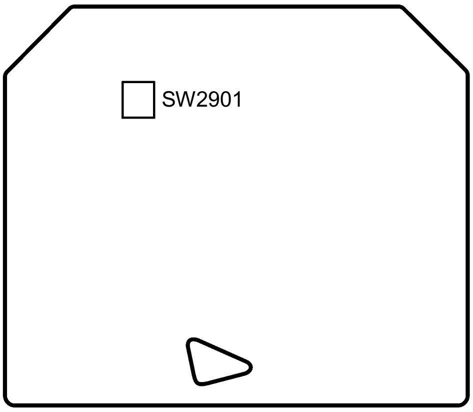
(FOIL SIDE)

CAMERA SYNC Board


IC3201
SYNC SUB Board
SW3001
OFF
ON

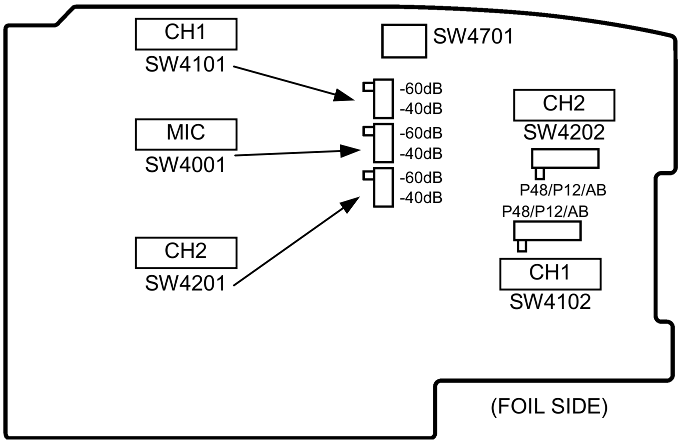
(COMPONENT SIDE)

SERVO Board



(COMPONENT SIDE)

AUDIO LCD Board


CH1
SW4101
SW4701
-60dB
-40dB
MIC
SW4001
-60dB
-40dB
-60dB
-40dB
CH2
SW4202
P48/P12/AB
P48/P12/AB
CH2
SW4201
CH1
SW4102

(FOIL SIDE)

15. Flash Memory Version Upgrade Method

This model has Flash memories IC6203 and IC6201 on CAM_SYS P.C.Board, Version upgrade procedures for each Memory are shown below.

15-1. Memory structure

Item	Ref. Number	Memory Type	Version-up	Data backup and restore.
CAM SYSCON (Include the DATA ROM)	IC6203	Flash Memory	Use the special tool and software.	Use the special tool and software.
	IC6201	Flash memory in the µCOM		
VTR SYSCON	IC 6006	EP ROM	Change ROM	-
DV µCOM	IC 1	µCOM	Change DV µCOM board	-

15-2. Prepare

Item	Part Number	Remarks
Personal Computer (PC)		MS-DOS®, WINDOWS® 95 or 98
Flash memory version-up tool (with flat cable)	VFK1304A	
Backup and Restore software	VFK1468A	
Flash memory version-up tool	VFK1725	FLASH 1
Flash 1 version-up software	-----	F1win.exe (include VFK1725)
Flash 1 cable	VFK1726	FLASH 1 <->Camera Syscon
Version-up data	VVVSI**** file	Download from WEB
RS-232C Cable	-----	D-Sub 9pin-9pin Cross type
RS-232C Cable	-----	D-Sub 9pin-25pin straight type
Extender Board	VFK1194	

15-3. Version-up and Backup Procedures

15-3-1. Connection and Set-up

1. Turn OFF Camera recorder and PC.
2. Connect RS-232C cable between COM1 port of PC and 9P connector of Flash memory version-up tool.
3. Connect flat cable (Include the Flash memory version-up tool) to P6104 connector on CAM SYS P.C.Board.

NOTE: When connect flat cable to P6104 connector on CAM SYS P.C.Board, please use with Extender board (VFK1194).

4. Set SW201 [LOAD] (CAM SYS P.C.Board) to ON.
5. Turn ON Camera recorder and PC (MS-DOS® *1 mode).

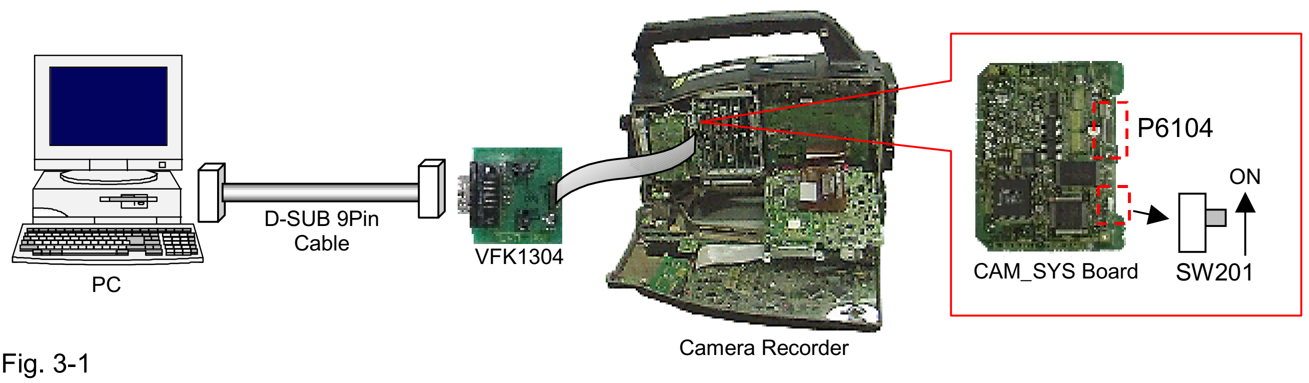


Fig. 3-1

*1 : MS-DOS® is the registered trademark of the Microsoft Corporation.
*2 : Flash Memory Version-up software (VFK1468A) isn't assured for laptop PC.

15-3-2. Version-up, Backup (/Restore) Procedures

Software version-up, Backup and Restore operation use to different Software. Details as following chart.

Item		Program file name	Locate of Program file
μcom software version-up.		FL_ALL.BAT	It is contained in Version-up data files. (vvvsi file)
Data backup and restore.	CAM SYS →PC	BACKUP.BAT	It is contained in VFK1468A.
	PC → CAM SYS	TRANS.BAT	

15-3-3. FLASH ROM software version-up.

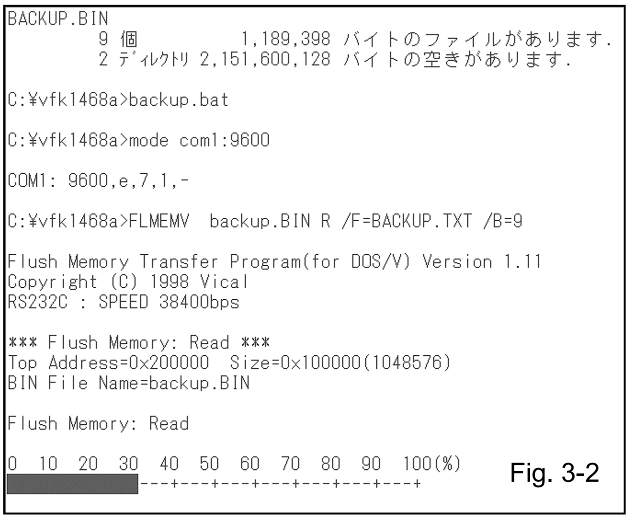
1. Connect the VFK1304A between PC and Camera recorder. (As shown Figure 3-1.)
2. Turn ON Camera recorder.
3. Start PC in DOS mode.
4. Copy the all composition files in Version-up Data Folder (vvvsi file) to PC (any Hard drive, any directory).
5. Execute the Batch file **“FL_ALL.BAT”** in copied files. Data transfer will be started from PC to Camera recorder. (ERASE → WRITE → VERIFY)(Refer to Fig. 3-2)

6. When displayed “DOS command prompt”, Data transfer is completed. It takes about 10minutes.
7. Turn Off - On the Camera recorder and then confirm the version number.

* Software version numbers are display in <DIAGNOSTIC> page (ENG menu).

15-3-4. Data backup

1. Start PC in DOS mode.
2. Make new directory in your PC and then copy to their all composition files in VFK1468A.
3. Connect the VFK1304A between PC and Camera recorder. (As shown Figure 3-1.)
4. Execute the batch file “BACKUP.BAT” contained in VFK1468A.
5. Data transfer will be started from Camera recorder to PC as shown in figure 3-2.
6. When a message indicated **”Flash Memory: Read Complete”**, data transfer is completed.
7. Turn Off - On the Camera recorder.



```
BACKUP.BIN
        9 個          1,189,398 バイトのファイルがあります.
        2 ﾃﾞｨﾚｸﾄﾘ 2,151,600,128 バイトの空きがあります.

C:¥vfk1468a>backup.bat

C:¥vfk1468a>mode com1:9600

COM1: 9600,e,7,1,-

C:¥vfk1468a>FLMEMV  backup.BIN R /F=BACKUP.TXT /B=9

Flush Memory Transfer Program(for DOS/V) Version 1.11
Copyright (C) 1998 Vical
RS232C : SPEED 38400bps

*** Flush Memory: Read ***
Top Address=0x200000  Size=0x100000(1048576)
BIN File Name=backup.BIN

Flush Memory: Read

0   10   20   30   40   50   60   70   80   90   100(%)
████████████████---+---+---+---+---+---+---+
```

Fig. 3-2

* The backup data is named “Backup.bin” and then saved as same directory of VFK1468A. It is replaced every backup. If want to keep the backup data, rename file name. (8 Characters max)

15-3-5. Restore

1. Start PC by DOS mode.
2. Connect the VFK1304A between PC and Camera recorder. (As shown Figure 3-1.)
3. Execute the program file **“TRANS.BAT”** contained in VFK1468A.
4. Data transfer will be started.
5. When displayed “DOS command prompt”, Data transfer is completed. It takes about 10minutes.

<Trouble shooting>

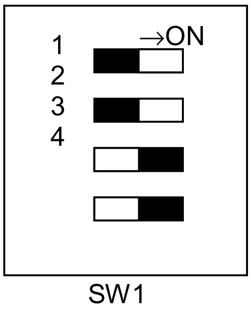
Symptoms	Error message "RS232C: Line Open Error" appeared then data transfer interrupted.
Cause	Could not communicate the PC – Camera recorder.
Resolution	· Does an RS-232C cable use a designated thing? (9pin-9pin Cross) · Does set SW201 [LOAD] (CAM_SYS P.C.Board) to ON? · Is the Camera recorder's power turned on? · Is connect of each machine done properly? (as shown Figure.3-1)

<Remarks>

1. Composition files of VFK1468A

File name	Part	File name	Part
Backup.bat	Batch file for the data backup (Camera recorder → PC)	Fl_pc.bat	Batch file for communication (Camera recorder → PC)
Backup.txt	Address data of backup area	Flmemv.exe	RS232C communication program
Trans.bat	Batch file for the restore data (PC → Camera recorder)	Flmemv.map	RS232C communication data
Fc_load.bat	Batch file for communication (PC → Camera recorder)	Backup.bin	Backup(saved) data
Fc_load.txt	Batch file for communication (supplement data)	Temp.bin	For verify (automatically formation after backup)

2. DIP switch Settings for Flash memory version-up tool (VFK1304A).
   Before use the VFK1304A confirm the setting of DIP SW as shown in Figure.3-3.



1 : ON
2 : ON
3 : OFF
4 : OFF

Fig. 3-3

15-4. Software Version-up Procedure

15-4-1. Version-up method for IC6201 (CAM_SYS P.C.Board)

1. Connect cable between USER BOARD connector on FLASH1 and Connector P6104 on CAM_SYS P.C.Board through connection board.
2. Connect D-SUB 25-pin – 9-pin Cable (Straight type) between COM port (1 or 2) on PC and RS-232C connector on FLASH 1.
3. Set SW201 [LOAD] on CAM_SYS P.C.Board to “ON”. (See figure 4-1)
4. Turn on the power of Camcorder and then boot up PC (with Windows®).
5. Copy all files of Data writing software (“Flash 1 for windows”: Included with FLASH 1) to hard drive on PC.
6. Install “Flash 1 for windows software” to PC.
7. Copy version-up data (xxxx.mot format file) to same directory of F1win.exe.

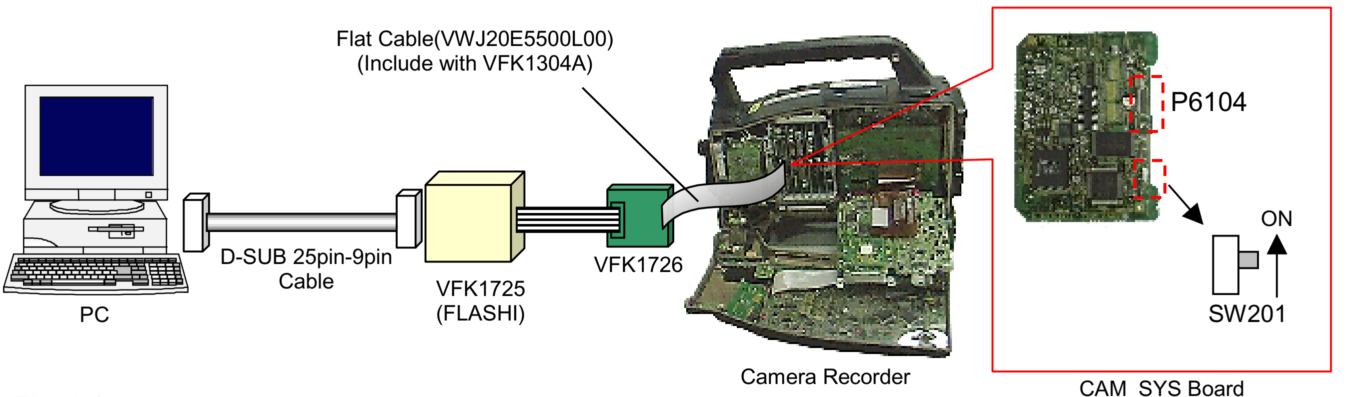
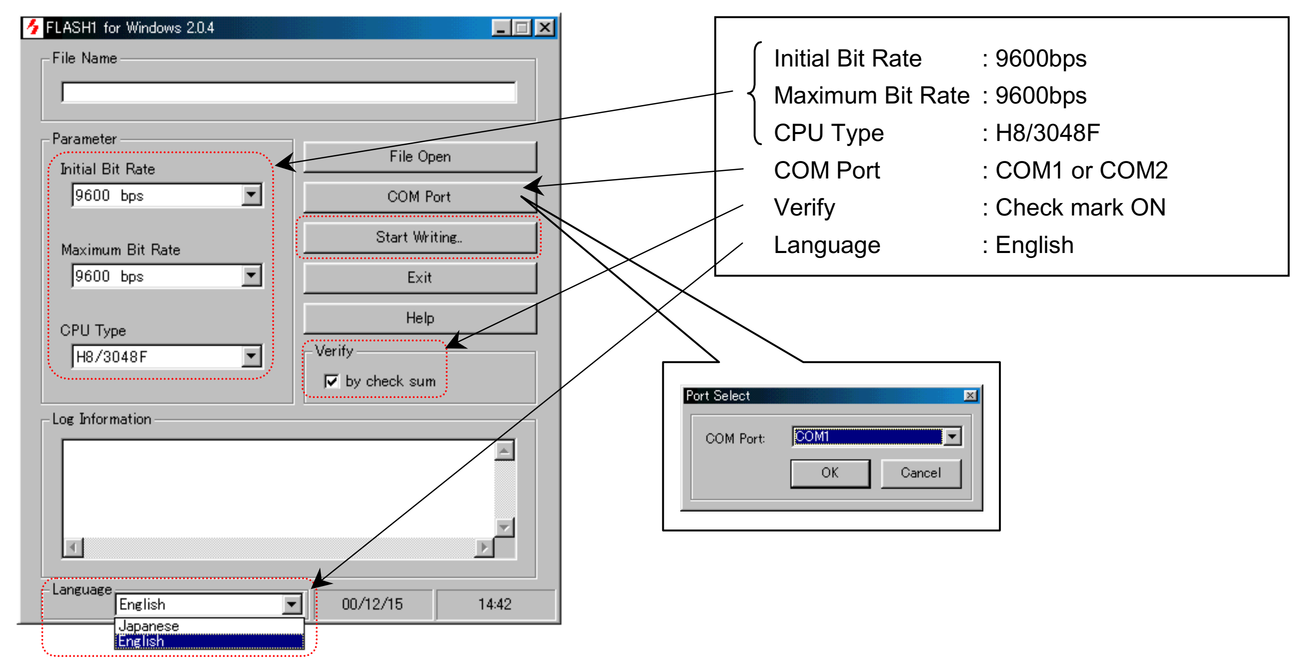

Flat Cable(VWJ20E5500L00)
(Include with VFK1304A)
PC
D-SUB 25pin-9pin
Cable
VFK1725
(FLASHI)
VFK1726
Camera Recorder
P6104
ON
SW201
CAM_SYS Board

Fig. 4-1

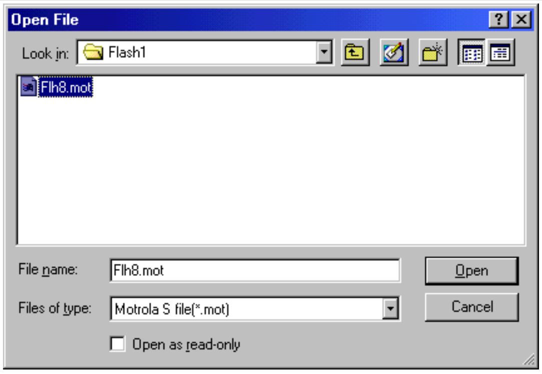
8. Execute “F1win.exe (Flash 1 for windows application)” and then set parameters as shown in figure 4-2.


FLASH1 for Windows 2.0.4
File Name
Parameter
Initial Bit Rate
9600 bps
Maximum Bit Rate
9600 bps
CPU Type
H8/3048F
File Open
COM Port
Start Writing..
Exit
Help
Verify
by check sum
Log Information
Language
English
Japanese
English
00/12/15
14:42
Port Select
COM Port:
COM1
OK
Cancel

Initial Bit Rate : 9600bps
Maximum Bit Rate : 9600bps
CPU Type : H8/3048F
COM Port : COM1 or COM2
Verify : Check mark ON
Language : English

Fig. 4-2 Flash 1 for windows main window

9. Click “File Open” button.
10. Select version-up data file (xxxx.mot format file) and then click “Open” button. (See Figure 4-3)



Look in: Flash1

Flh8.mot

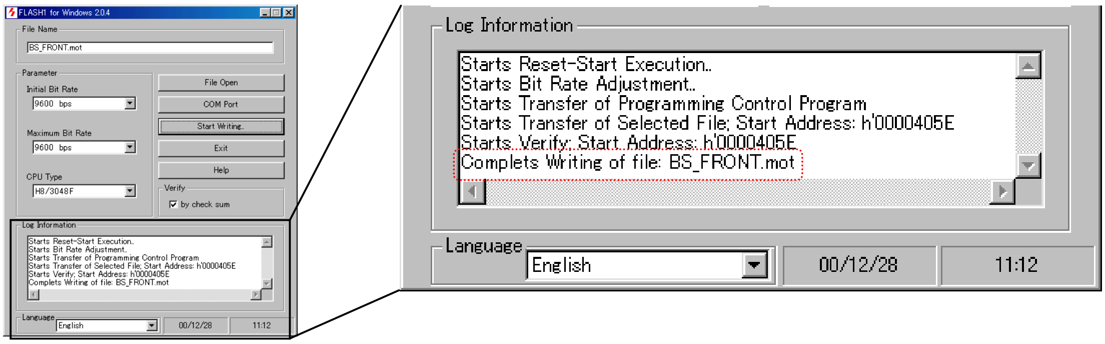
File name: Flh8.mot

Files of type: Motrola S file(*.mot)

☐ Open as read-only

Fig. 4-3 Open file dialog

11. On main window, click “Start writing” button and data transfer will be started from PC to camcorder. (It takes about two-minutes)
12. When a message “Completes Writing of file: xxxx.mot”, appears software version upgrade is completed.



File Name: BS_FRONT.mot

Parameter

Initial Bit Rate: 9600 bps

Maximum Bit Rate: 9600 bps

CPU Type: H8/3048F

Verify: ☑ by check sum

Log Information

```
Starts Reset-Start Execution..
Starts Bit Rate Adjustment..
Starts Transfer of Programming Control Program
Starts Transfer of Selected File; Start Address: h'0000405E
Starts Verify; Start Address: h'0000405E
Complets Writing of file: BS_FRONT.mot
```

Language: English | 00/12/28 | 11:12

13. Turn off the power of camcorder and then set SW201 [LOAD] to original position.

16. White Blemish (W/B) Compensation

This model has ***self white spot (blemish) compensation function*** that is enable to compensate spots up to 16 spots. Here is explanation of method to fix /compensate spots.

16-1. Preparation

1. Connect Viewfinder, Video monitor & DC power to camera recorder which has white spot(s) (blemishes) unfortunately.
2. Turn POWER of camera recorder on.
3. Set “WHITE BAL” to “PRST (Preset) position on Right Side Panel.
4. Execute the ABB

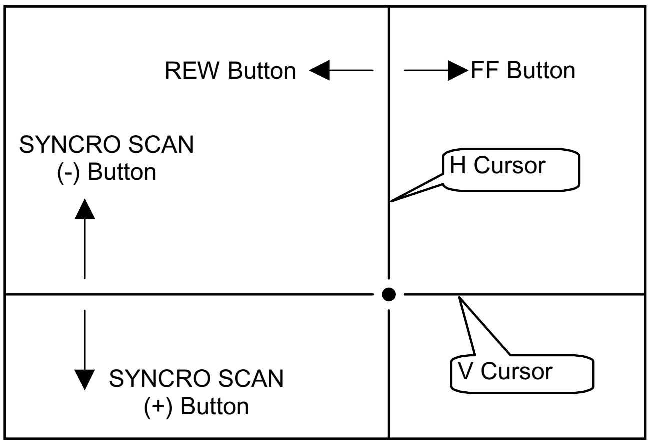
16-2. DEFECT COMPENSATION

1. Again, open Service Menus.
2. Press “PAGE” button until reaching “**DEFECT COMPENSATION**” menu.
3. Change mode of the first item in this menu, “**DEFECT ADJ. MODE**” from “OFF” to “**ON**”. Immediately, superimposed items disappear in the video monitor, however, in the viewfinder, these items still remain. So from now, must use the viewfinder to follow next. Depending on previous compensation, Cross lines might be shown on the video monitor and the viewfinder. (lines should not be appeared, however, they might be appeared)

< DEFECT COMPENSATION >

→	**DEFECT ADJ MODE**	**:**	**OFF**
	DEFECT NO.	**:**	**00**
	CURSORS ADJ		
	V (+/- SW)		**0000**
	H (FF/REW SW)		**0000**
	FIELD CONT	**:**	**A**
	DUAL PIXEL	**:**	**OFF**
	COMPENSATION	**:**	**ON**
	DATA CLR		

4. Move Arrow (→) to “ **CURSORS ADJ.**” by pressing “ SHIFT/ITEM” button repeatedly.
5. Repeatedly press UP (+) or DOWN(-) (or SYNCHRO SCAN(+) or (-)) to show up a horizontal line.
6. After opening Operation panel on the top panel, you may find “REW & FF” buttons. Repeatedly press REW or FF button to show up a vertical line.



VIDEO Monitor (Video Out)

Note: **If there was no compensation in past, the center position of cross lines has been hidden at the right bottom corner.** In order to show lines up, first of all, press DOWN (-) button (or SYNCHRO SCAN(-) button) and then REW button(vice versus).

You may find how many times have been compensated at “**DEFECT NO.** & data of V (+/-SW), H (FF/REW SW) at **CURSORS ADJ.** in SERVICE MENUS”. If DEFECT NO. shows “00” & Data shows “V:0180,H:0380”, there has been no compensation. These addresses show where the center point is located. The data (V:0180, H:0380) is located at the right bottom side. If there are some No. & data, unit(s) has been compensated. Also, you can find other compensation by changing DEFECT NO. ---Method : Move arrow to the item of DEFECT NO. by pressing SHIFT/ITEMS and then pressing UP(+) button.

7. Move the center point of the cross lines to a white spot by pressing these buttons. **Put the center point upon the white spot exactly.**
8. When it is compensated, the white spot will be disappeared.
9. If **there is still white spot showing**, you have to move lines to complete. Probably remaining white spot is a part of large spot (occupying 2 dots or more in line), in this case, proceed the following method:
10. Move the center point of cross lines to the left of white spot. After doing this method, confirm compensation on the spot by pressing UP & DOWN buttons (repeatedly) at the item of **“ DUAL PIXEL”** in DEFECT COMPENSATION MENU. White spot should be disappeared. If not, repeat procedure.
11. If there are spots more than one piece on the view, put forward to next **DEFECT NO.** by pressing UP(+). 01→ 02→ ---------

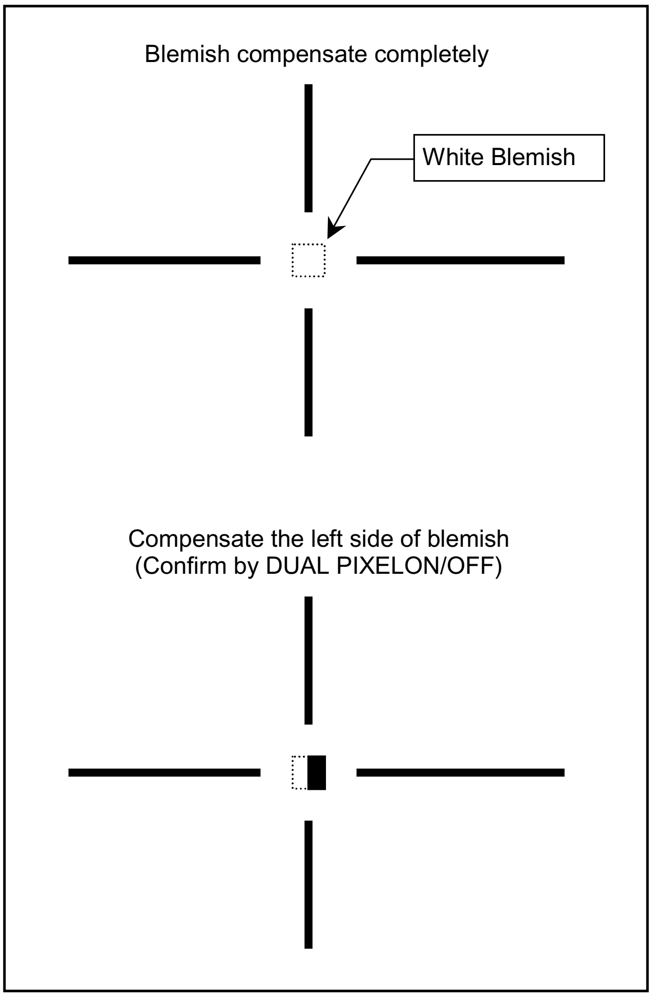
12. Before saving data of compensation, just make sure whether it has been done or not by pressing UP & DOWN buttons (ON & OFF) at the **COMPENSATION** in DEFECT COMPENSATION menu. In the view on the video & viewfinder, there should not have any white spots.
13. After compensated completely, **DEFECT ADJ.MODE** set to "**OFF**", **COMPENSATION** set to "**ON**"**MENU** set to "**OFF**" and then turn **POWER** "**OFF**".

<Note>
When the gain set –3dB/0dB mode, the blemish compensation is not working. If appear the blemish at –3/0dB, set the EVR as shown below.

-3dB/0dB ON = **COM : [42], DATA : [FF], ADR : [44]**
-3dB/0dB OFF = **COM : [42], DATA : [0F], ADR : [44]**
(When set above command, please turn the power of camera recorder off and on for ignore the blemish compensation mode.)

After setting the above command, please do the following operations for memorize the setting in the FLASH ROM.

1. Open the Service menu, and select the Defect compensation page.
2. Select the DEFECT ADJ MODE, and set to ON.
3. Close the MENU.

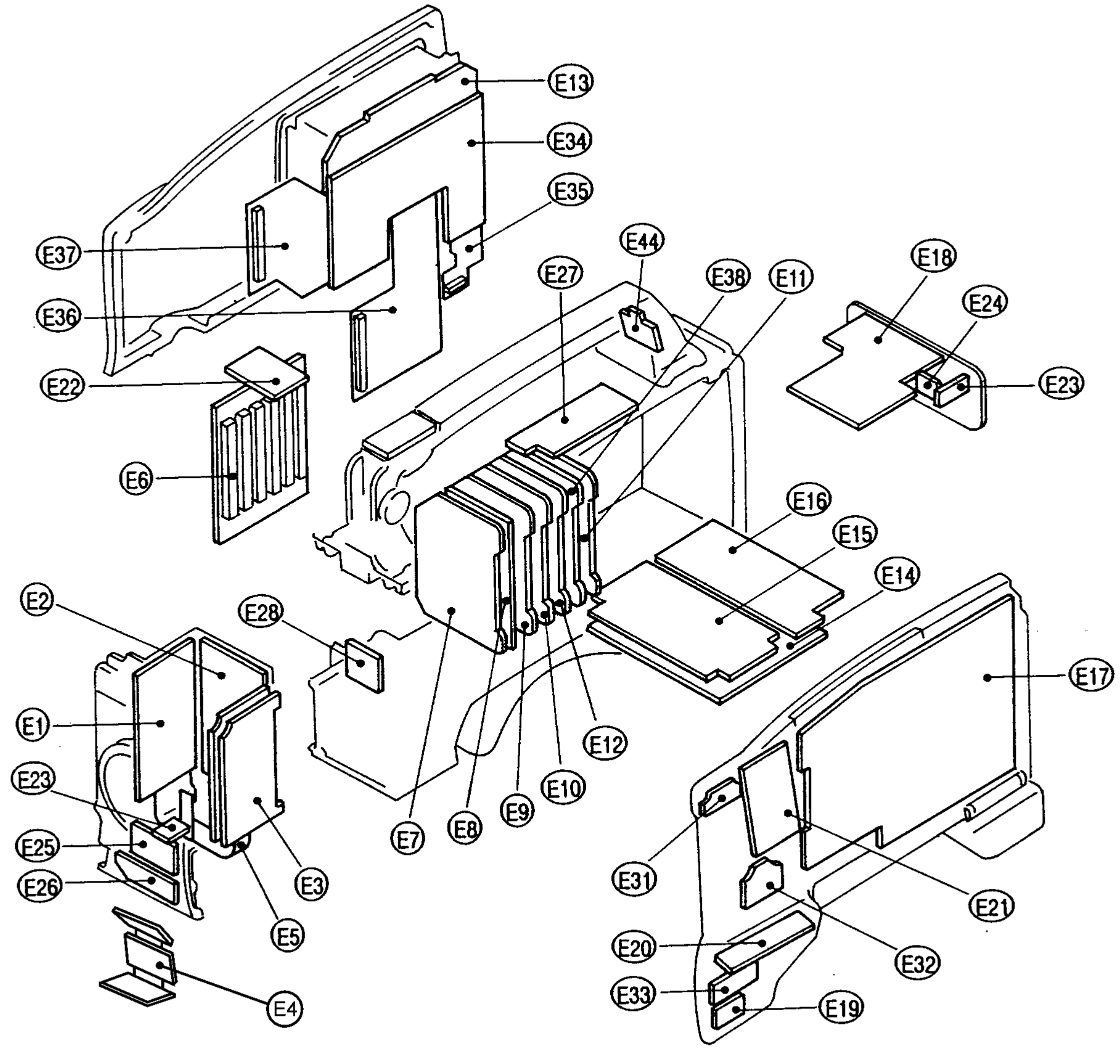

Blemish compensate completely
White Blemish
Compensate the left side of blemish
(Confirm by DUAL PIXELON/OFF)

<Note>
1. Explain of MENU Display

MENU ITEM	EXPLAIN
DEFECT ADJ MODE	Mode ON/OFF to compensation mode. (Cursors ON/OFF)
DEFECT NO.	Display the Defect No. (00-15) for perform.
CURSORS ADJ V (+/- SW) H (FF/REW SW)	Indicate of Cursors position. H: 07FF (Initial offset number) V: 03FF (Initial offset number) *Initial offset position is bottom of the right at picture.
FIELD CONT	Not work.
DUAL PIXEL	Mode ON/OFF to DUAL PIXEL Compensation.
COMPENSATION	Mode ON/OFF to Blemish compensation. (Not disappear Cursors)
DATA CLR	Blemish compensation data initialize. **NOTE:** For perform to this item, the "COMPENSATION" item is require to "ON". When "COMPENSATION" item is OFF, set to item to "ON" and then Camera-recorders power turn to the OFF to ON.

2. When set "DEFECT ADJ MODE" to ON, the Gain mode is automatically changing to +24dB mode.

17. Circuit board layout


E13
E34
E35
E37
E36
E22
E6
E44
E27
E38
E11
E18
E24
E23
E16
E15
E14
E2
E28
E17
E1
E12
E23
E25
E26
E3
E5
E4
E7
E8
E9
E10
E31
E21
E20
E32
E33
E19

E1	PREAMP P.C.BOARD	E19	POWER SW P.C.BOARD
E2	CCD PULSE P.C.BOARD	E20	TOGGLE SW P.C.BOARD
E3	PRE PROCESS P.C.BOARD	E21	ALARM/MONITOR P.C.BOARD
E4	CCD SENSOR P.C.BOARD	E22	BACK UP BATTRY P.C.BOARD
E5	CAMERA FLEX P.C.BOARD	E23	HEAD PHONE P.C.BOARD
E6	MOTHER P.C.BOARD	E24	DC INPUT P.C.BOARD
E7	CAMERA SYSCON P.C.BOARD	E25	FRONT TOGGLE P.C.BOARD
E8	DSP MAIN P.C.BOARD	E26	FRONT P.C.BOARD
E9	ENCODER P.C.BOARD	E27	OPERATE P.C.BOARD
E10	CAMERA SYNC P.C.BOARD	E28	FRONT MIC P.C.BOARD
E11	VIDEO I/F P.C.BOARD	E31	VAR SHUTTER P.C.BOARD
E12	VTR SYSCON P.C.BOARD	E32	SUPER IRIS P.C.BOARD
E13	SERVO P.C.BOARD	E33	PIX LINK P.C.BOARD
E14	RF P.C.BOARD	E34	INT CONNECT P.C.BOARD
E15	VIDEO MAIN P.C.BOARD	E35	INT JACK FLEX P.C.BOARD
E16	POWER P.C.BOARD	E36	V MAIN FLEX P.C.BOARD
E17	AUDIO LCD P.C.BOARD	E37	INT MOTHER FLEX P.C.BOARD
E18	REAR JACK P.C.BOARD	E38	BYPASS P.C.BOARD
		E44	BACK TALLY P.C.BOARD

SECTION 2

DISASSEMBLY PROCEDURES

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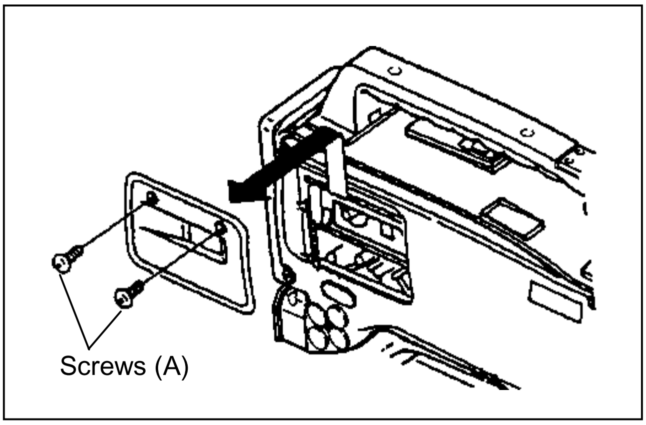
    - 1-2. Removal of Left Side Panel DIS-1
    - 1-3. Removal of Right Side Panel DIS-1
    - 1-4. Removal of Mechanical Chassis Unit DIS-2
    - 1-5. Removal of Cylinder Unit DIS-3
    - 1-6. Removal of Cassette Up Unit DIS-3
    - 1-7. Removal of Camera Unit DIS-4

1. Disassembly Procedures

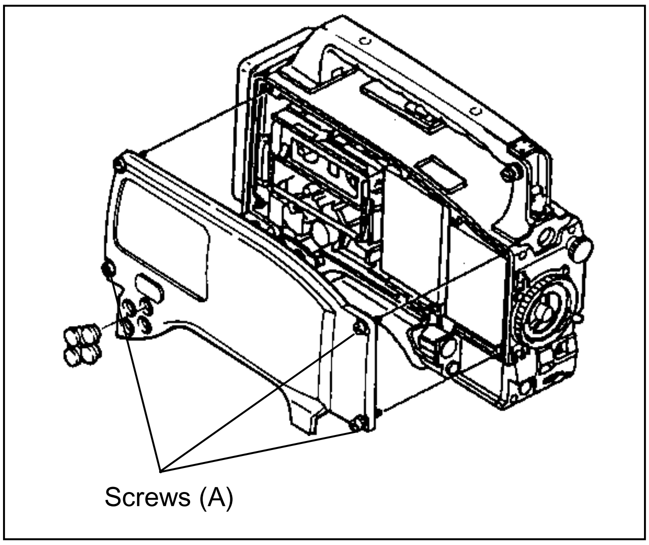
1-1. Removal of Cassette Cover

1. Remove the 2 screws (A). Slide the cover upward and remove it.



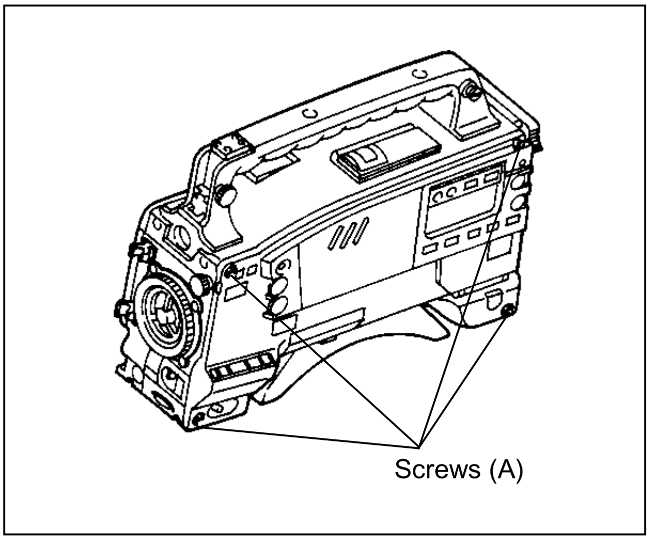
1-2. Removal of Left Side Panel

1. Remove the Cassette Cover.
2. Loosen the 4 screws (A) and remove the panel.

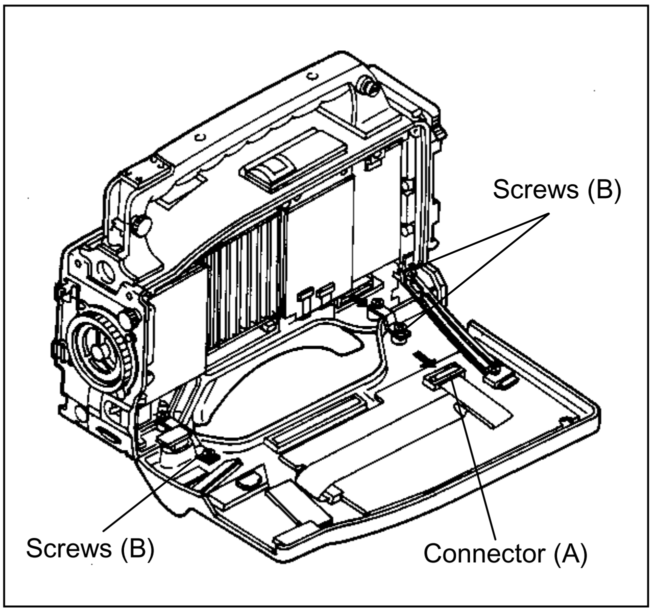


1-3. Removal of Right Side Panel

1. Loosen the 4 screws (A) and remove the panel.

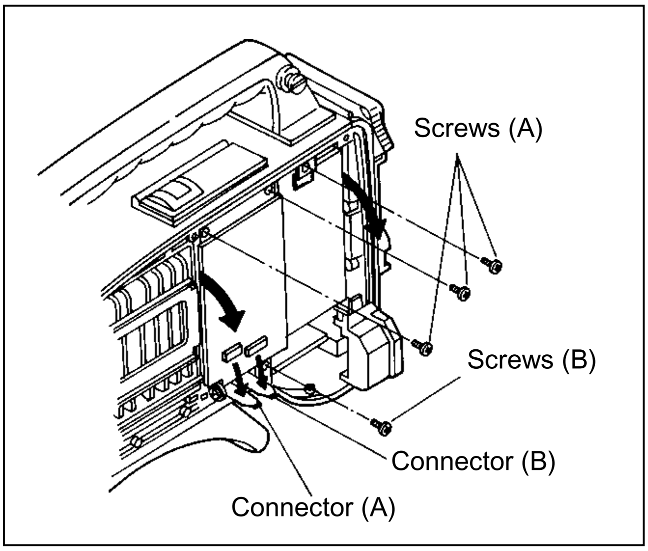


2. Remove the 3 screws (B) and disconnect the connector(A), then remove the Right Side Panel.

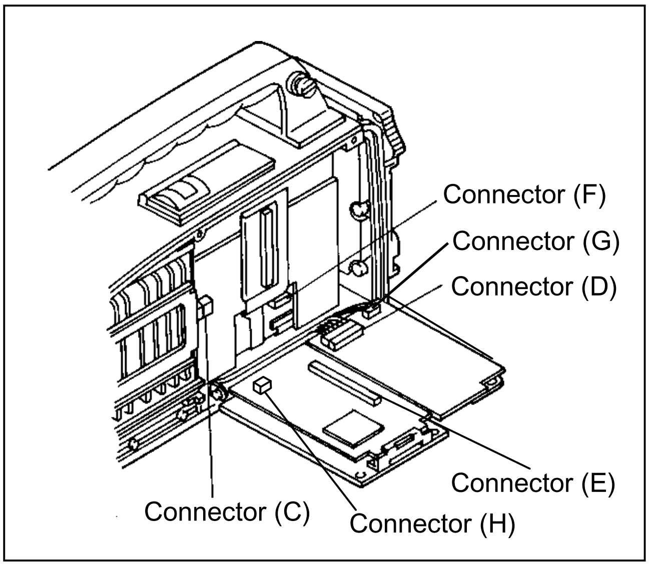

Screws (B)
Screws (B)
Connector (A)

1-4. Removal of Mechanical Chassis Unit

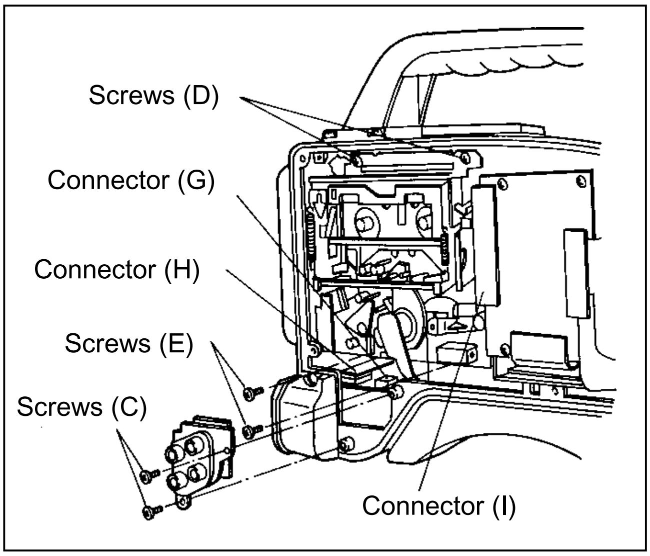
1. Remove the Right Side Panel.
2. Disconnect the connectors (A) and (B) on the RF P.C.Board.
3. Remove the 3 screws (A) and the screw (B) and lay down the boards.


Screws (A)
Screws (B)
Connector (B)
Connector (A)

4. Disconnect the connectors (C), (D),(E),(F),(G) and (H).


Connector (F)
Connector (G)
Connector (D)
Connector (E)
Connector (C)
Connector (H)

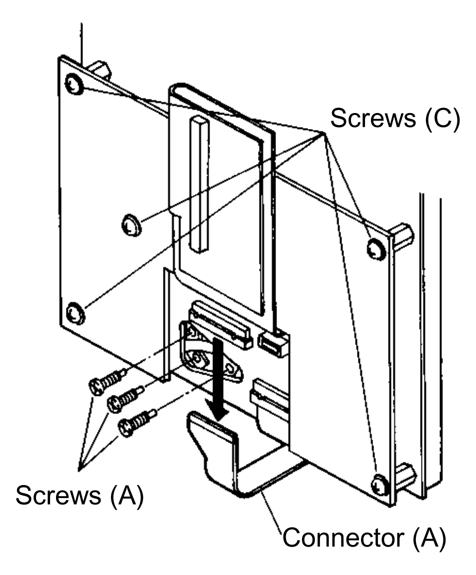
5. Remove the 2 screws (C) for pull out BNC terminal and disconnect the connector (G) and (H) on the Rear Jack P.C.Board. Disconnect the connector (I) on the Mother P.C.Board. and loosen the 2 screws (D) and remove the 2 screws (E).
   Remove the mechanical chassis with care not to scratch the any connectors and cables.


Screws (D)
Connector (G)
Connector (H)
Screws (E)
Screws (C)
Connector (I)

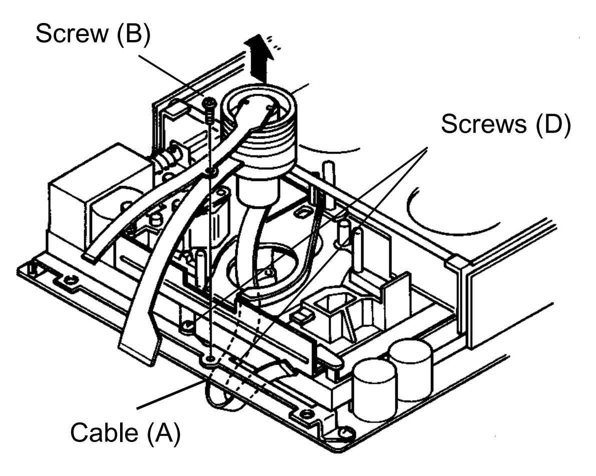
Note: When the mechanical chassis unit installed, confirm the connector P1001 on the Rear Jack P.C.Board connected correctly.

1-5. Removal of Cylinder Unit

1. Remove the Right Side Panel.
2. Remove the Mechanical Chassis Unit
3. Lift up the flexible cable for remove the 3 screws as shown as below figure. Disconnect the connector (A) and the 3 screws (A).

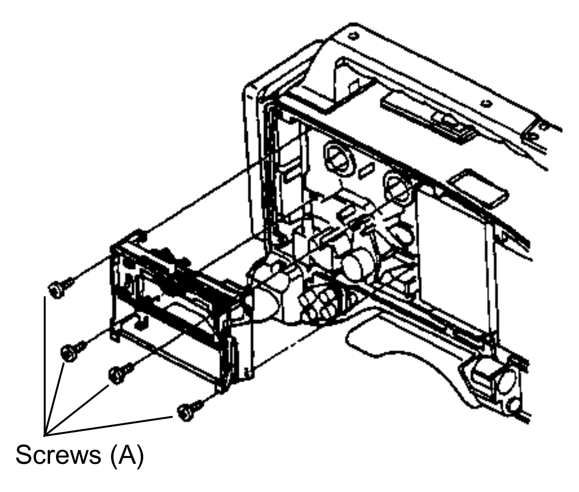

Screws (C)
Screws (A)
Connector (A)

4. Remove the 2 screws and remove the T1 Guide. Remove the screw (B) and the Cylinder unit with care not to scratch the cable (A).


Screw (B)
Screws (D)
Cable (A)

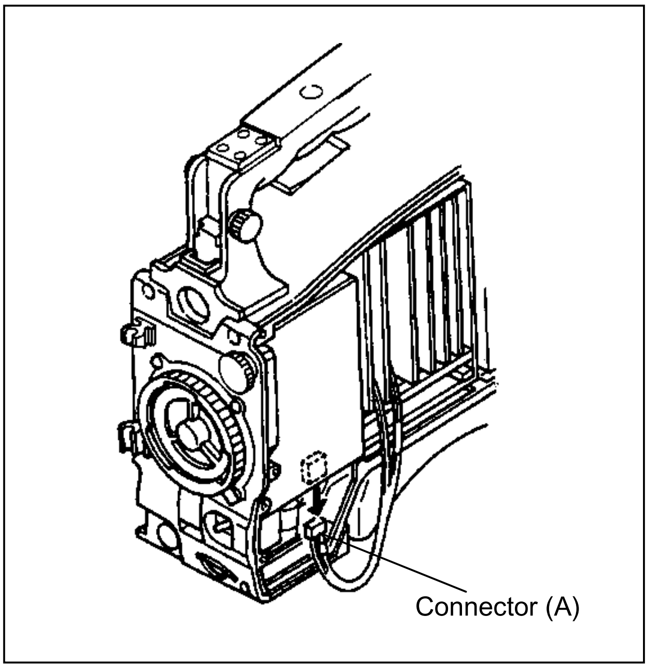
1-6. Removal of Cassette Up Unit

1. Remove the Cassette Cover.
2. Remove the Left Side Panel.
3. Loosen the 4 screws (A) and remove the panel.

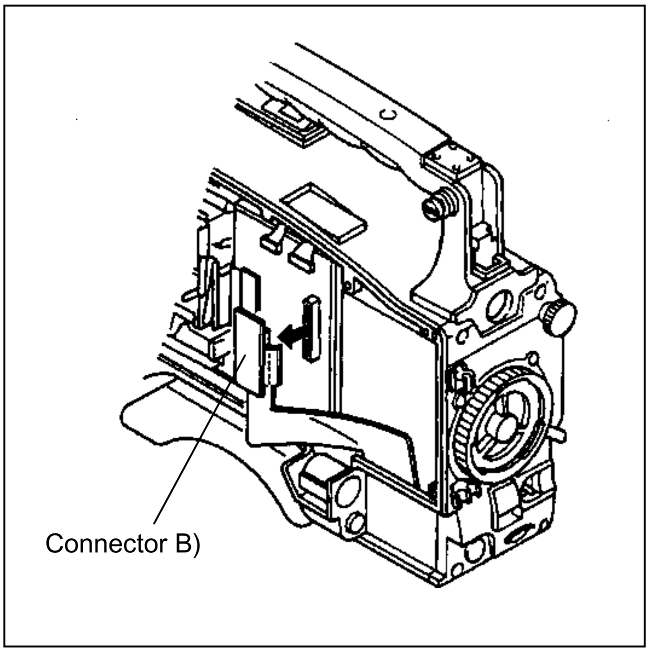


1-7. Removal of Camera Unit

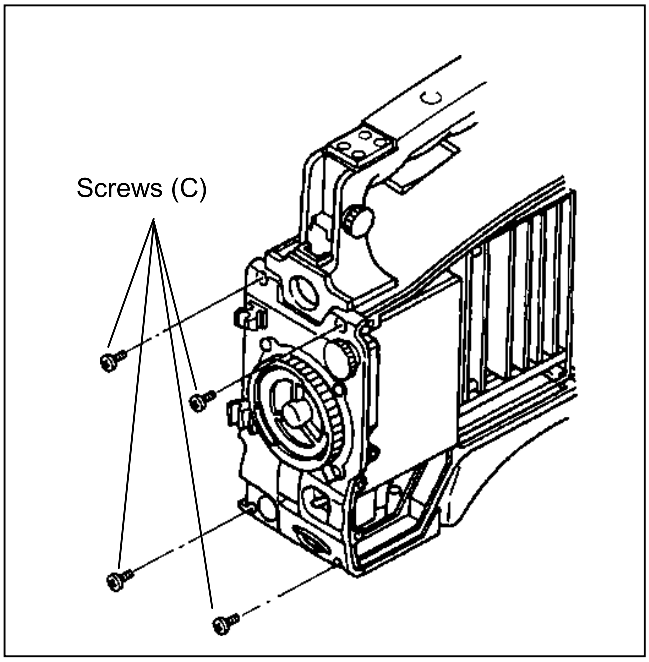
1. Remove the Cassette Cover.
2. Remove the Left Side Panel.
3. Remove the Right Side Panel.
4. Disconnect the connector (A).

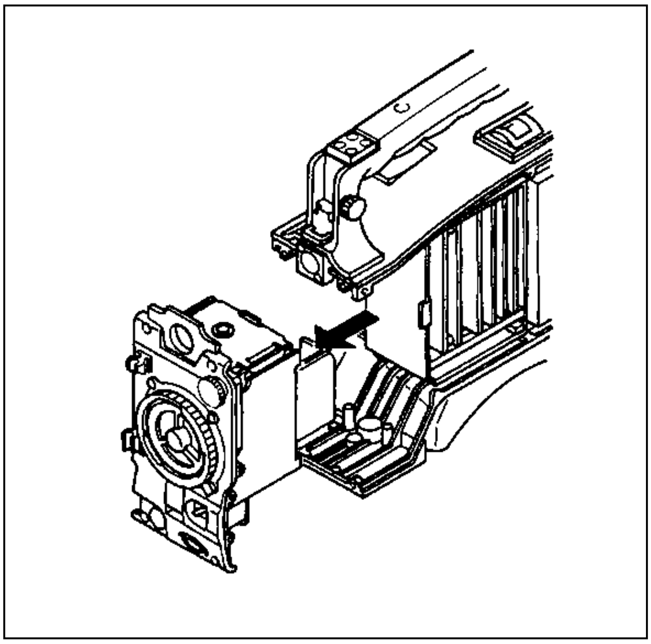

Connector (A)

5. Disconnect the connector (B).


Connector B)

6. Remove the 4 screws (C) and pull out the camera unit.





SECTION 3

ELECTRICAL ADJUSTMENT

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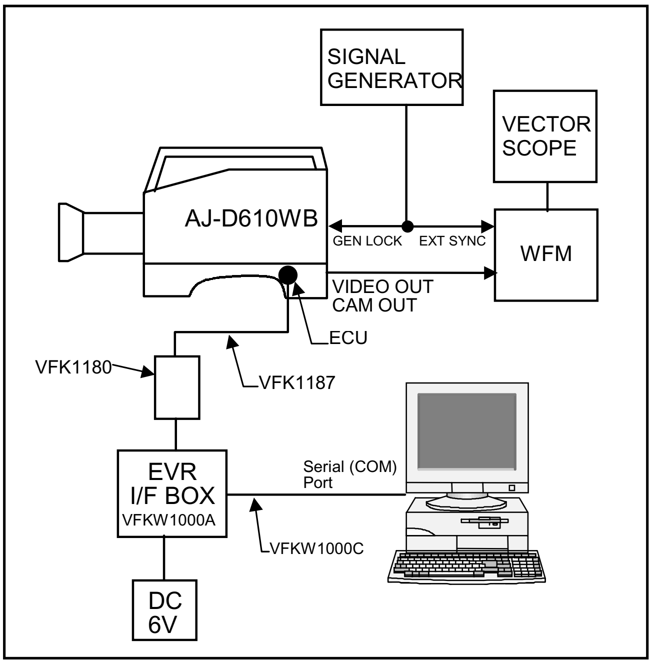
<Preparation for Adjustment>

Connection of the Tool

1. Connect the cables as shown bellow with the camera recorder and the EVR power off. The EVR connector is located on the right side panel of camera recorder.



2. Turn on the power of PC and the EVR tool first, then turn on the power of camera recorder.
3. Set the MENU SW to SET side while pressing [SHIFT], [+], and [-] keys together so that the SERVICE MENU is open.
4. Press PAGE button to open SERVICE ADJ. Menu, then change the ECU connect menu to "EVR". After setting, set the MENU switch OFF.
5. Go to DOS mode and execute CAM_TOOL.EXE in the VFK1162B to start EVR program.
   C:\>CAM_TOOL ENTER

6. The software asks some questions and answer for the question until opening the MAIN MENU.(If the bar graph did not reach 100%, and did not open the Main Menu, turn OFF and ON of I/F Box, VFKW1000AA, then start the EVR program again.)

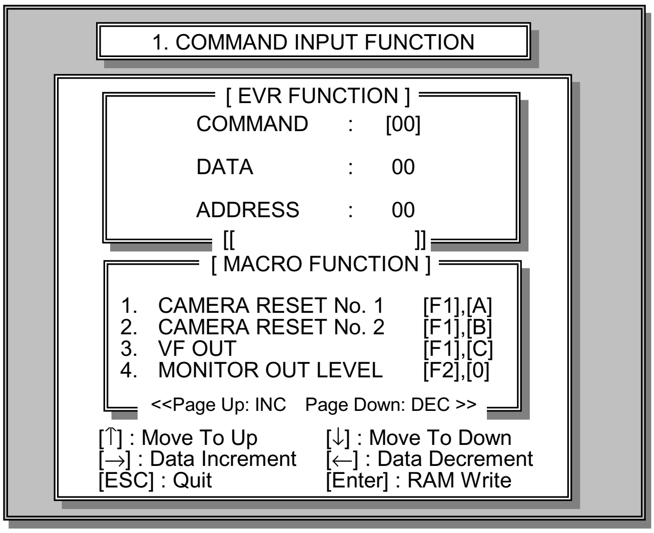
Function Explanation (Ver. 3.2)

MAIN MENU

1. BACK UP (DOWN LOAD) RAM DATA.
2. RESTORE (UPLOAD) RAM DATA.
3. PREPARATION OF ADJUSTMENT.
4. START ADJUSTMENT.
5. ELECTRICAL ADJUSTMENT.
6. E.V.R. DIRECT FUNCTIONS.
7. BACK UP (DOWN LOAD) RAM DATA.<OPTION >
8. RESTORE (UPLOAD) RAM DATA < OPTION >
9. CREATE ADJUSTMENT ITEM <PRODUCTION>
10. START ADJUSTMENT <PRODUCTION>

1,2 : These menus are not use for the electrical adjustment section.
3~5 : Not used.
6. : Refer to next.
7,8 : These menus are not used for the electrical adjustment section.
9. : Not used.
10. : Not used.

EVR DIRECT FUNCTIONS



1. COMMAND INPUT FUNCTION

[EVR FUNCTION]
COMMAND : [00]
DATA : 00
ADDRESS : 00
[[ ]]

[MACRO FUNCTION]
1. CAMERA RESET No. 1 [F1],[A]
2. CAMERA RESET No. 2 [F1],[B]
3. VF OUT [F1],[C]
4. MONITOR OUT LEVEL [F2],[0]

<<Page Up: INC Page Down: DEC >>

[↑] : Move To Up [↓] : Move To Down
[→] : Data Increment [←] : Data Decrement
[ESC] : Quit [Enter] : RAM Write

1. Select “6. EVR DIRECT FUNCTIONS” in the Main Menu of the EVR software.
2. Select “1. COMMAND INPUT FUNCTION” so that above screen is displayed.
3. Adjustment contents are described in each adjustment section.
4. Press ESC key to exit the Menu.

Note:

1. The changed EVR data is updated when power is ON, therefore after adjustment power should be turned OFF and ON.
2. The CAMERA reset No.1 and No.2 are not used. Even if these functions are executed, there is no effect to the camera recorder.

1. Power

Note: Title of adjustments are based on printed names on the circuit board and may not much to the actual specification value.

1-1. 3.0V Adjustment

BOARD	POWER
TP	TP13,TG1 (VIDEO MAIN Board)
ADJUST	VR1003(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	3.15V+/-0.05V

1. Connect a DVM to **TP13**, and its ground to **TG1** on the VIDEO MAIN Board, then adjust **VR1003** (POWER Board) so that the voltage is in the specification.

1-2. 5.0V Adjustment

BOARD	POWER
TP	TP9808 TG9801(INT CONNECT Board)
ADJUST	VR1005(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	5.00V+/-0.10V

1. Connect a DVM to **TP9808**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1005** (POWER Board) so that the voltage is in the specification.

1-3. 3.6V Adjustment

BOARD	POWER
TP	TP9801 TG9801(INT CONNECT Board)
ADJUST	VR1036(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	3.70V+/-0.05V

1. Connect a DVM to **TP9801**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1036** (POWER Board)so that the voltage is in the specification.

1-4. 17.5V Adjustment

BOARD	POWER
TP	TP9806 TG9801(INT CONNECT Board)
ADJUST	VR1016(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	17.5V+/-0.10V

1. Connect a DVM to **TP9806**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1016** (POWER Board) so that the voltage is in the specification.

1-5. -10.8V Confirmation

BOARD	POWER
TP	TP9805 TG9801(INT CONNECT Board)
ADJUST	-
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	-10.60V+/-0.40V

1. Connect a DVM to **TP9805**, and its ground to **TG9801** on the INT CONNECT Board, then confirm that the voltage is in the specification.

1-6. -3.8V Confirmation

BOARD	POWER
TP	TP9802, TG9801(INT CONNECT Board)
ADJUST	-
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	-3.80V+/-0.30V

1. Connect a DVM to **TP9802**, and its ground to **TG9801** on the INT CONNECT Board, then confirm that the voltage is in the specification.
   (This confirmation is required after **1-4. 17.5V** adjustment)

1-7. -5.6V Adjustment

BOARD	POWER
TP	TP9804 TG9801(INT CONNECT Board)
ADJUST	VR1156(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	-5.70V+/-0.05V

1. Connect a DVM to **TP9804**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1156** (POWER Board)so that the voltage is in the specification.

1-8. 5.6V Adjustment

BOARD	POWER
TP	TP9803 TG9801(INT CONNECT Board)
ADJUST	VR1056(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	5.70V+/-0.05V

1. Connect a DVM to **TP9803**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1056** (POWER Board)so that the voltage is in the specification.

1-9. 9.0V Adjustment

BOARD	POWER
TP	TP9807 TG9801(INT CONNECT Board)
ADJUST	VR1009(POWER Board)
INPUT	CAMERA
MODE	REC
TAPE	Blank Tape
M. EQ.	DVM
SPEC.	9.00V+/-0.05V

1. Connect a DVM to **TP9807**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1009** (POWER Board)so that the voltage is in the specification.

<Memo>

2. CAMERA

2-1. Initial Setting

1. Set the Camera Recorder switches as shown below.

   CAM/BAR : CAM
   0dB : ON
   GAIN : 18dB
   AWB SEL : PRE
   TEST PULSE : OFF
   SHUTTER : OFF

   CC/ND FILTER : 1

2. When adjust the Camera section, USER/ENGINEER MENU setting value should be change to the factory default value. Before change to the factory value, save the USER/ENGINEER MENU setting values to the setup card (SHL-64HSRVS). After the Camera section adjustment, please load the user setting value from the setup card.

   <MENU Reset Procedure>
   Open the Engineer Menu (Press the "**SHIFT/ITEM**" + "**+**" button and set the MENU SW to "**SET**" side simultaneously.) and open the **INITIALIZE** page in the **MAIN MENU 1/4**.
   Select the **"READ FACTORY DATA"** and press the **"+"** button.
   User and Engineer Menu are initialized by above procedure.

2-2. SUB Voltage Initial Adjustment

BOARD	CCD PULSE
TP	C41(+)[R ch] C54(+)[G ch] C42(+)[B ch]
ADJUST	VR8 [SUB R] VR9 [SUB G] VR10 [SUB B]
M. EQ.	DVM
SPEC.	As shown bellow

1. Connect a DVM to C41 (+) terminal. And measure the DC voltage.
2. Adjust VR8 so that the DC voltage is SUB voltage (XXX) plus 0.5VDC +/- 0.5VDC.
   (The SUB voltage (XXX) is indicated on the Filter case of the optical block.)
   EXAMPLE :
   SUB voltage (XXX) ⇨ Adj. Voltage
   7.2V 7.7V
3. Perform the same adjustment for Gch and Bch.

2-3. OG Voltage Adjustment

BOARD	CCD PULSE
TP	TP6[B ch]
ADJUST	VR13 [OG B]
M. EQ.	DVM
SPEC.	0.95V+/-0.05V

1. Connect a DVM (+) to TP6 and (-) terminal to GND.
2. Adjust VR13 so that the DC voltage is in the specification.

   *Please refer next procedure for VR12[OG-G]. VR14[OG-R] is not used.

2-4. R-DC Voltage Adjustment

BOARD	CCD PULSE
TP	TP7[G ch]
ADJUST	VR12 [OG G]
M. EQ.	DVM
SPEC.	7.5V+/-0.05V

1. Connect a DVM (+) to TP7 and (-) terminal to GND.
2. Adjust VR12 so that the DC voltage is in the specification.

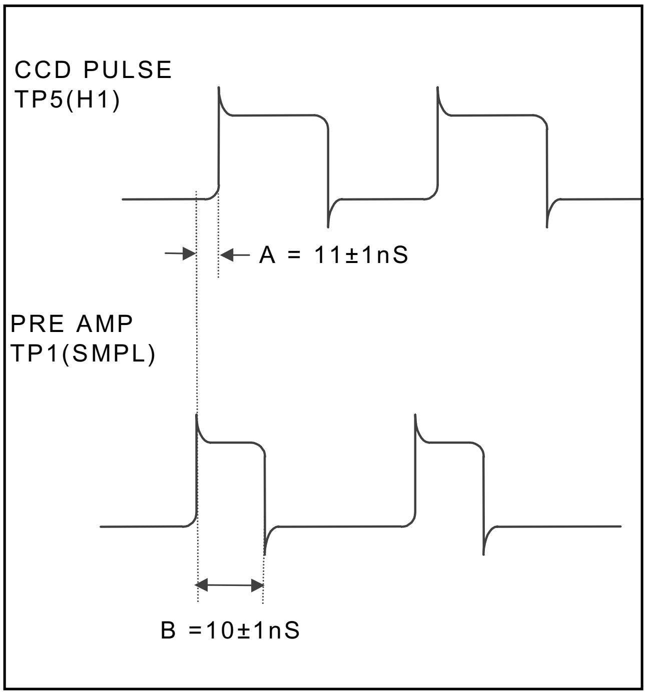
* If CCD reset is not enough, increase DC voltage at TP7 to 7.8V at maximum. (at this time, dynamic range should be kept more than 450%)
If dynamic range is not kept more than 450% due to saturation limit, decrease the DC voltage at TP7 to 7.2V at minimum. (at this time, confirm that the reset should be enough)

2-5. SMPL Pulse Adjustment

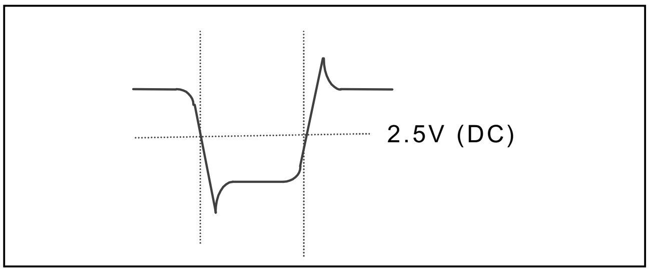
BOARD	CCD PULSE
TP	TP1 [SMPL] (PERAMP) TP5 [H1] (CCD PULSE)
ADJUST	VR1 [CW], VR3 [CP]
M. EQ.	Oscilloscope
SPEC.	A=11+/-1nS (Phase Pre-Setting) B=10+/-1nS

1. Adjust VR1 so that the Pulse width B at TP1 (SMPL) on the PERAMP Board is 10+/-1nS.

2. Adjust VR3 so that the Phase difference A between TP1 and TP5 is 11+/-1nS.



NOTE
The observation of the phase below based on the DC 2.5V level.

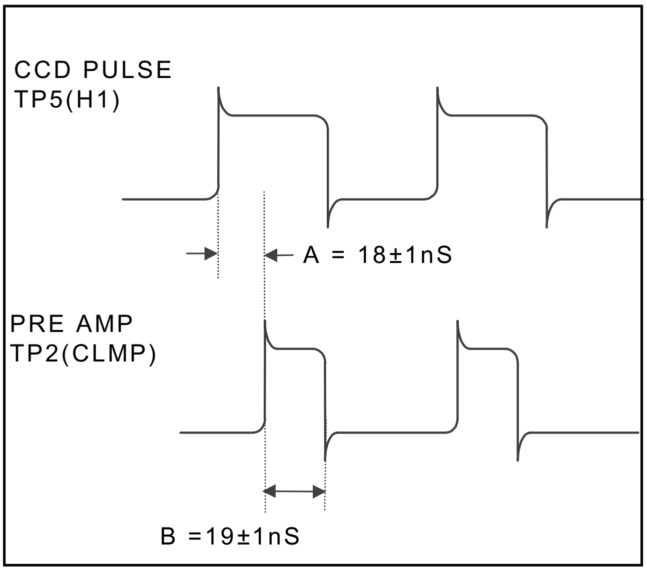


2-6. CLMP Pulse Adjustment

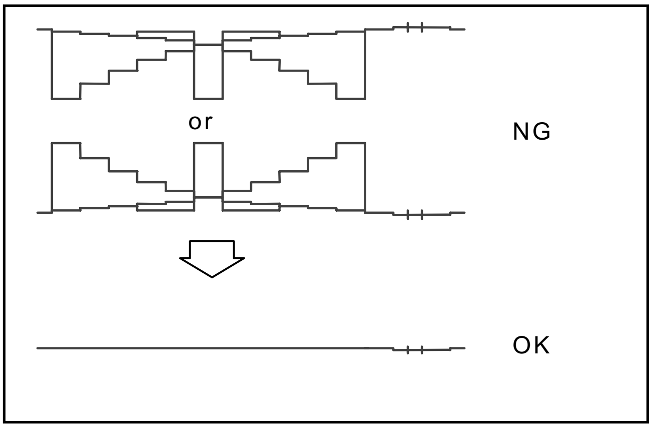
BOARD	CCD PULSE
TP	TP2 [CLMP] (PERAMP) TP5 [H1] (CCD PULSE) TP102,202,302(PREAMP)
ADJUST	VR2 [SW], VR4 [SP]
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	A=18+/-1nS (Phase Pre-Setting) B=19+/-1nS

1. Adjust VR2 so that the Pulse width B at TP2 (CLMP) on the PERAMP Board is 19+/-1nS.

2. Adjust VR4 so that the Phase difference A between TP2 and TP5 is 18+/-1nS.



3. Aim the Grayscale chart and connect a scope to TP102, TP202 and TP302 on the PRE AMP board.
4. Confirm that the waveform shape as follows when the IRIS is changed from CLOSE to OPEN. If waveform is NG condition, adjust VR4 so that the signal Level at each TP in the figure is minimized.



2-7. Blooming Adjustment

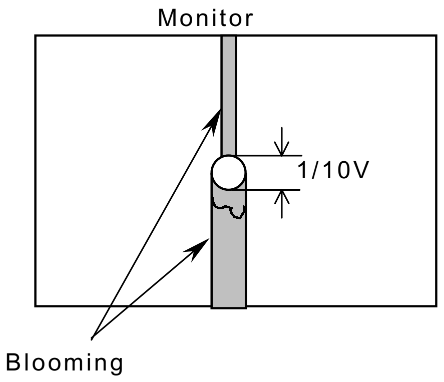
BOARD	CCD PULSE
TP	CAM OUT
ADJUST	VR 8 [SUB R] (CCD PULSE) VR 9 [SUB G] (CCD PULSE) VR10[SUB B] (CCD PULSE)
F NUMBER	Open
CHART	Halogen Light
M. EQ.	Monitor
SPEC.	No Blooming

1. Shoot a 500W halogen light and set the zoom position so that the halogen light size is approximately 1/10 of the vertical direction of the monitor as shown in figure.

2. Confirm that blooming is not appeared at the any position of the monitor screen as shown in figure.

3. If blooming is appeared, adjust VR8, 9, 10 so that the blooming is disappeared.

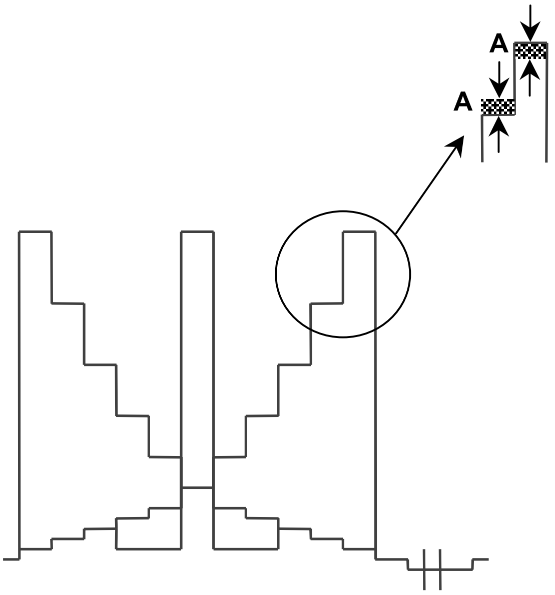
   If blooming color is RED, adjust VR8.
   If blooming color is GREEN, adjust VR9.
   If blooming color is BLUE, adjust VR10.



2-8. Carrier Reduce Adjustment

BOARD	PRE AMP
TP	TP103 [R-SH] TP203 [G-SH] TP303 [B-SH]
ADJUST	VC101 [R CRR] VC201 [G CRR] VC301 [B CRR]
F NUMBER	F11
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	A = Minimum level

1. Adjust the VC101 so that the level A at the TP103 is minimum level.
2. Adjust the VC201 so that the level A at the TP203 is minimum level.
3. Adjust the VC301 so that the level A at the TP303 is minimum level.



2-9. RGB SH Level Adjustment

BOARD	PRE AMP, PRE PROCESS
TP	TP102 [R] (PRE PROCESS) TP302 [G] (PRE PROCESS) TP502 [B] (PRE PROCESS) TP3206[HD] (SYNC) for Trigger
ADJUST	VR102 [R LVL] (PER AMP) VR202 [G LVL] (PER AMP) VR302 [B LVL] (PER AMP)
F NUMBER	F11+1/2
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	A=666+/-10mVp-p DC =2.0+/-0.05V

(SH : Sampling and Hold)

1. Lens setting:
   EXT : OFF, RATIO : OFF

2. Input the following command by EVR.
   [CMD][1E],[DATA][27],[ADR][00]
   (GAIN:0dB, KNEE:OFF, TEST PULSE:OFF)

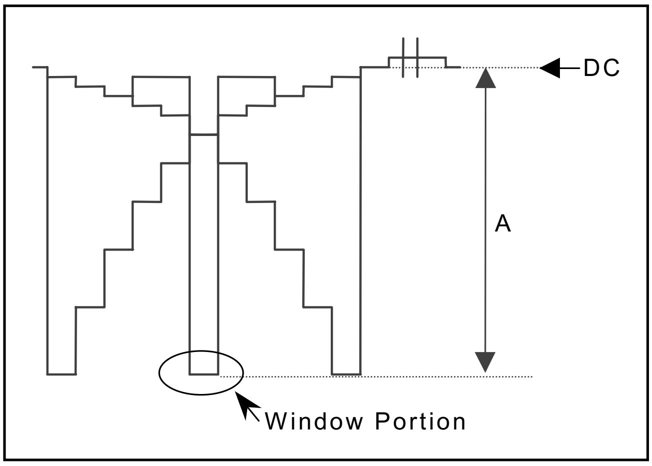
3. Turn the IRIS from open side to close side and set at F11 +1/2 position.

4. Adjust VR102 so that the Level A at TP102 is in the Specification.
   Then confirm the DC Level is in the Specification.

5. Adjust VR202 so that the Level A at TP302 is in the Specification.
   Then confirm the DC Level is in the Specification.

6. Adjust VR302 so that the Level A at TP502 is in the Specification.
   Then confirm the DC Level is in the Specification.

NOTE:
1. Set oscilloscope range to 100mV/div.
2. Level A is defined to window portion as shown below.



2-10. RGB SH DC Adjustment

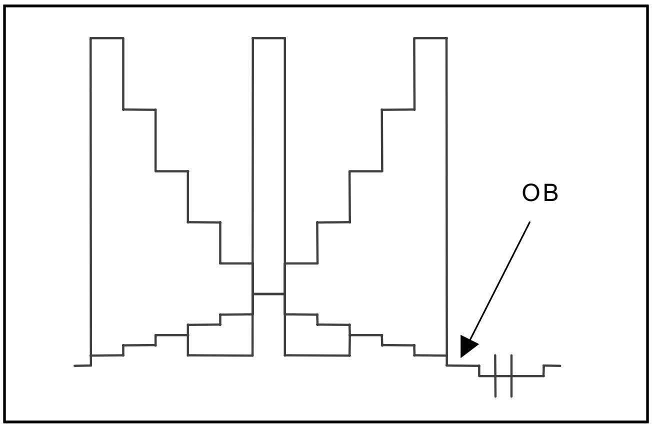
BOARD	PRE AMP
TP	TP103 [R-SH] TP203 [G-SH] TP303 [B-SH]
ADJUST	VR102 [R DC] VR202 [G DC] VR302 [B DC]
F NUMBER	F11+1/2
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	A=150+/-10mVDC

(SH : Sampling and Hold)

1. Adjust VR102 so that the Level A (OB: Optical Black) at TP103 is in the Specification.

2. Adjust VR202 so that the Level A (OB: Optical Black) at TP203 is in the Specification.

3. Adjust VR302 so that the Level A (OB: Optical Black) at TP303 is in the Specification.

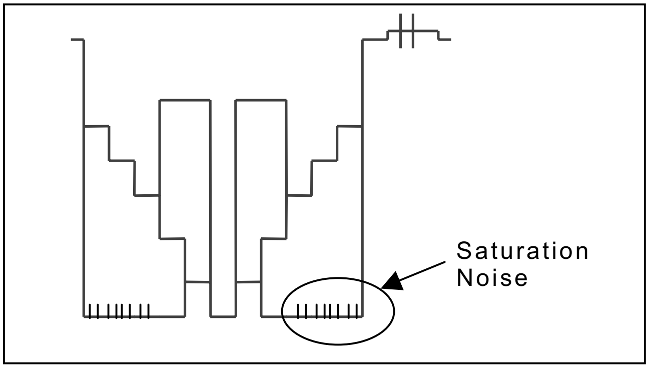


2-11. Saturation Noise Confirmation

BOARD	PER AMP, PRE PROCESS
TP	TP102 [R] (PRE PROCESS) TP302 [G] (PRE PROCESS) TP502 [B] (PRE PROCESS)
ADJUST	VR8 [R SUB] (PULSE) VR9 [G SUB] (PULSE) VR10 [B SUB] (PULSE)
F NUMBER	F5.6 – F4
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	No saturation noise

1. Confirm that the TP302 (G ch) has no saturation noise.
2. If there is noise adjust the sub voltage so that the noise is disappeared.
3. Perform the same confirmation for TP102 (R ch) and TP502 (B ch).
4. Perform adjustment for 2-7 and 2-11, if any sub voltage adjustment is done.

NOTE:
If these VRs are adjusted, adjust "2-7.Blooming Adjustment" again.



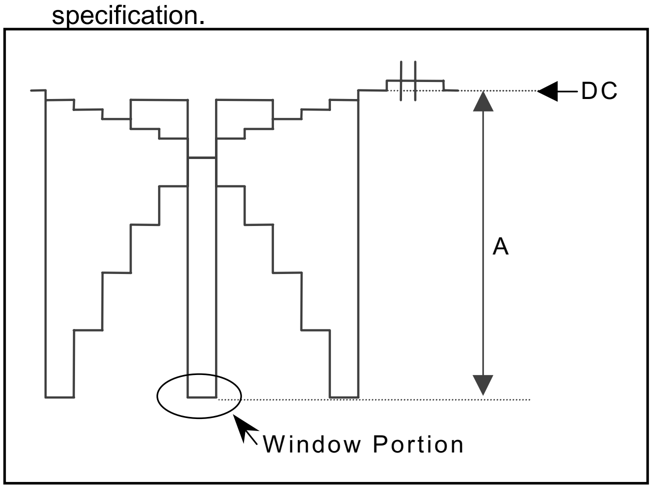
2-12. Double Lighting Level Adjustment

BOARD	PER AMP, PRE PROCESS
TP	TP102 [R] (PRE PROCESS) TP302 [G] (PRE PROCESS) TP502 [B] (PRE PROCESS)
ADJUST	VR101 [R LVL] (PRE AMP) VR301 [B LVL] (PRE AMP)
F NUMBER	F11+1/2
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	R,B ch level = G ch +/-20mV

1. Connect a scope CH1 to TP302 (Gch). And set the IRIS position so that level A is 1330mV.

2. Connect a scope CH1 to TP102 (Rch). And confirm the level A is 1330mV+/-20mV.If it is not adjust VR101 so that the Level A is in the specification.
   (Do not adjust VR101 if TP102 is in the specification range.)
3. Perform the same adjustment for TP502 (Bch).
   If in the specification, do not adjust each VRs.

NOTE:
1. Set oscilloscope range to 200mV/div.
2. Level A is defined to window portion as shown below.
3. If Rch and/or Bch are adjusted, change the specification of 2-9 RGB SH Level Adjustment to 666mV +/- 10mV. If out of specification, repeat adjustments from 2-9 to 2-12 until satisfy each specification.



2-13. RGB BLK Adjustment

BOARD	PRE PROCESS
TP	TP101 [R] TP301 [G] TP501 [B]
ADJUST	VR101 [R BLK] VR301 [G BLK] VR501 [B BLK]
F NUMBER	CLOSE
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	A=0+/-20 mV (BLK difference)

(SH : Sampling and Hold)

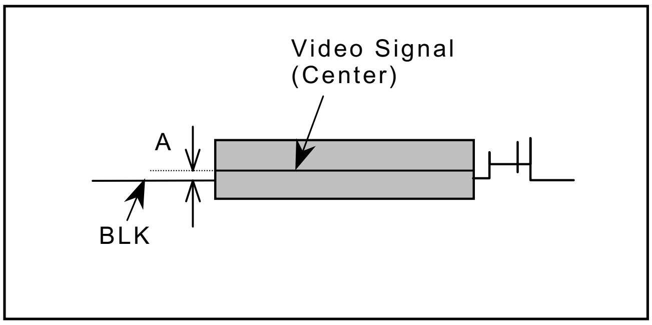
1. Set the Camera Recorder switches as shown below.

   GAIN : H (+30 dB)

2. Adjust VR101 so that the Level A (BLK difference) at TP101 is in the Specification.

3. Adjust VR301 so that the Level A (BLK difference) at TP301 is in the Specification.

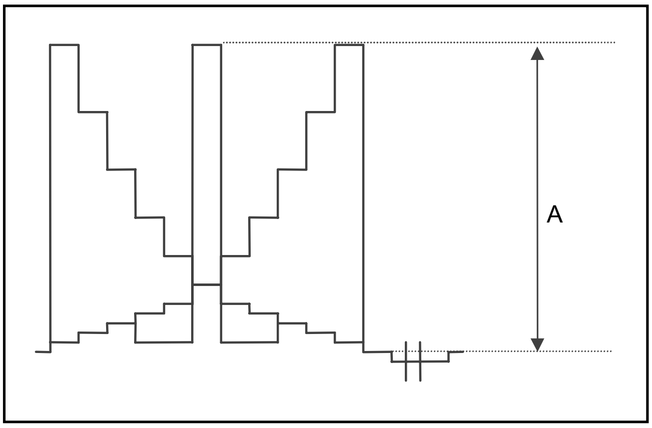
4. Adjust VR501 so that the Level A (BLK difference) at TP501 is in the Specification.



2-14. RGB A/D INPUT Level Adjustment

BOARD	PRE PROCESS
TP	TP103 [R] TP303 [G] TP503 [B]
ADJUST	VR105 [R_AD] VR305 [G_AD] VR505 [B_AD]
F NUMBER	F11 + 1/2
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	A=1370+/-100mVp-p

1. Adjust VR105 so that the Level A at TP103 is in the Specification.
2. Adjust VR305 so that the Level A at TP303 is in the Specification.
3. Adjust VR505 so that the Level A at TP503 is in the Specification.

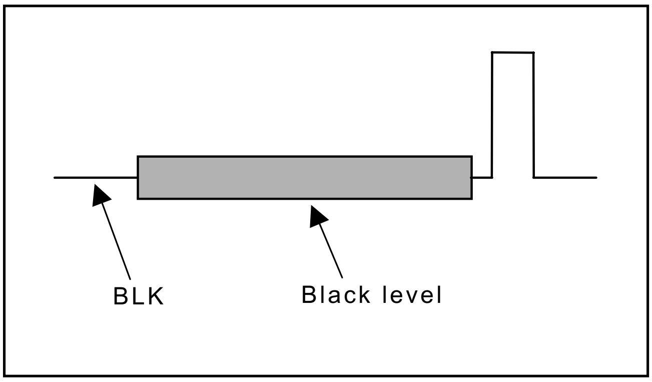


2-15. RGB PED Adjustment

BOARD	PRE PROCESS
TP	TP103[R] TP303[G] TP503[B]
ADJUST	VR103[R PED] VR303[G PED] VR503[B PED]
F NUMBER	CLOSE
CHART	-
M. EQ.	Oscilloscope
SPEC.	Black Level = BLK Level

(PED : Pedestal)

1. Connect a scope to TP103, then adjust VR103 so that the center of the noise at Black Level is same as Blanking Level.
2. Connect a scope to TP303, then adjust VR303 so that the center of the noise at Black Level is same as Blanking Level.
3. Connect a scope to TP503, then adjust VR503 so that the center of the noise at Black Level is same as Blanking Level.

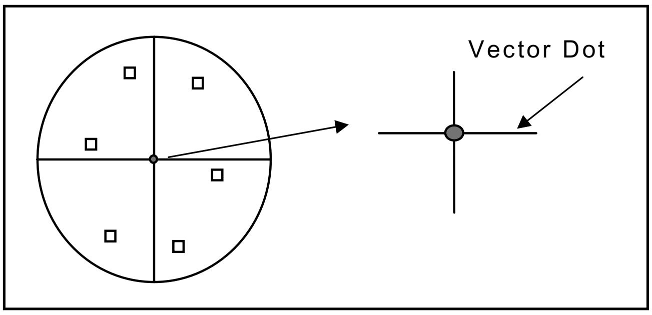


2-16. PED Balance Adjustment

BOARD	PRE PROCESS
TP	CAM OUT
ADJUST	VR103 [R PED], VR503 [B PED]
F NUMBER	CLOSE
CHART	-
M. EQ.	Oscilloscope
SPEC.	Vector Dot = Zero Point

(PED : Pedestal)

1. Connect a Vector Scope to the CAMERA OUT, then adjust VR103 and VR503 so that the Vector Dot is located at origin of the Vector Scope.



Note:
Vector Dot is located at origin by Color Bar.

2-17. AWB Operation Confirmation

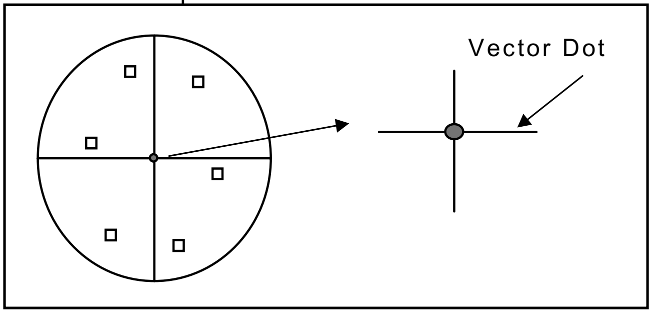
BOARD	PRE PROCESS
TP	CAM OUT
ADJUST	-
F NUMBER	F11 + 1/2
CHART	Gray Scale (2000 +/- 50 Lux)
M. EQ.	Oscilloscope
SPEC.	Vector Dot = Zero Point

(AWB : Automatic White Balance)

1. Connect a Waveform Monitor to the CAMERA OUT, then adjust IRIS so that the Gray Scale level is about 90%.

2. Set the AWB SW ON.

3. Confirm the Vector Dot is located at origin of the Vector Scope.



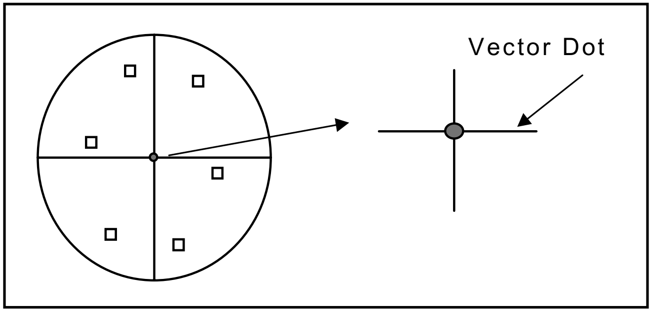
Note:
Vector Dot is located at origin by Color Bar.

2-18. ABB Operation Confirmation

BOARD	PRE PROCESS
TP	CAM OUT
ADJUST	-
F NUMBER	CLOSE
CHART	-
M. EQ.	Oscilloscope
SPEC.	Vector Dot = Zero Point

(ABB : Automatic Black Balance)

1. Set the ABB SW ON.
2. Connect a Vector Scope to CAMERA OUT, then confirm the Vector Dot is located at origin of the Vector Scope.



Note:
Vector Dot is located at origin by Color Bar.

2-19. High Contrast Object Confirmation

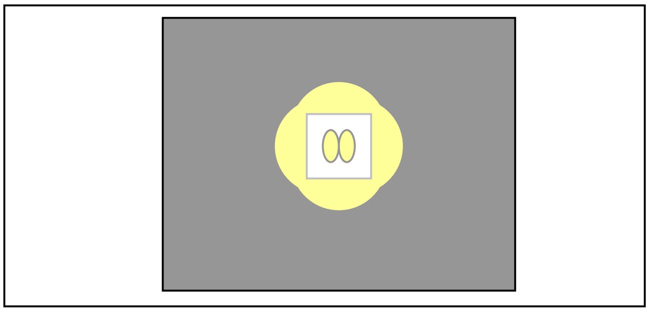
BOARD	PRE PROCESS
TP	CAM OUT
ADJUST	-
F NUMBER	-
CHART	-
M. EQ.	Monitor TV
SPEC.	No Color Smear and No Ghost

(ABB : Automatic Black Balance)

1. Shoot a 500W halogen light and set the zoom position so that the halogen light size is approximately 1/10 of the vertical direction of the monitor. Move the halogen spot to the four corners of the TV monitor and confirm the followings.

2. Confirm that the halogen light has no smear, ghost and no coloring on the center of halogen spot.

3. Set the electrical shutter to 1/2000 and confirm same items.



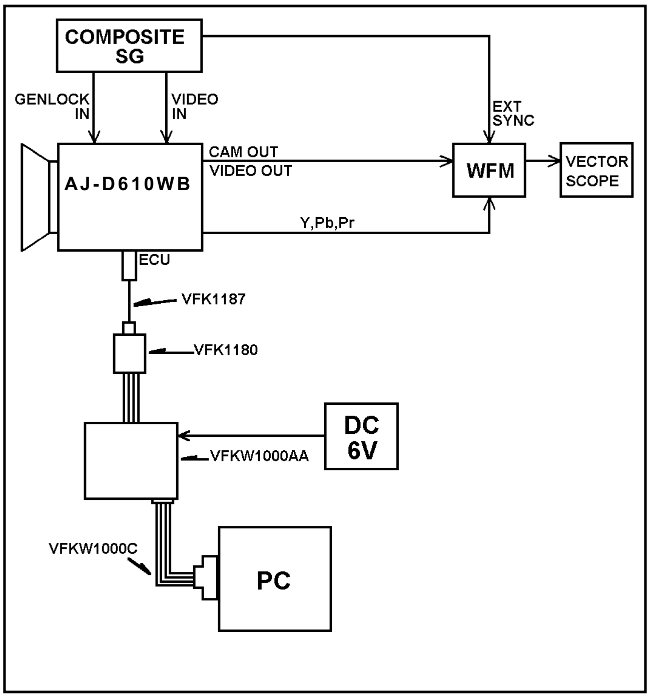
3. DSP / ENCODER

3-1. Initial Setting

1. Set the Camera recorder SW setting as shown below.

   AUTO W/B BAL : OFF
   SHUTTER : OFF
   GAIN : L
   OUTPUT : BAR
   WHITE BAL : PRE

2. Connect the cables as shown below with the camera recorder and the EVR power OFF.


COMPOSITE SG
GENLOCK IN
VIDEO IN
EXT SYNC
AJ-D610WB
CAM OUT
VIDEO OUT
WFM
VECTOR SCOPE
Y,Pb,Pr
ECU
VFK1187
VFK1180
DC 6V
VFKW1000AA
VFKW1000C
PC

<Note>

- ◆ The SCH of the signal generator should be 0 degrees.
- ◆ Turn ON the EVR, then turn ON the camera recorder.
- ◆ Set the MENU SW to SET while pressing [SHIFT], [+], and [-] together on the operation panel.
- ◆ Change the PAGE and open the SERVICE ADJ Menu, then set the ECU CONNECT to EVR. After setting close the MENU.
- ◆ Execute the CAM_TOOL.EXE.
  (Refer to ELE-1 <Preparation for Adjustment>)

3-2. AD REF Voltage Confirmation

BOARD	DSP MAIN
TP	TP4
M. EQ.	DVM
SPEC.	DC=2V+/-0.1V

1. Confirm the DC Voltage at TP4 is in the specification.

<MEMO>

3-3. Y Level Adjustment

BOARD	ENCODER
TP	P1-B48 PIN [Y_26P] (VFK1194 use)
ADJUST	VR2 SW201
F.NUMBER	-
MODE	CAMERA BAR
M. EQ.	WFM Monitor
SPEC.	A = 700mV+/-14mV

1. Connect a **26P connector** to other VCR.
2. Confirm the **SW201 (26P)** is **ON**.

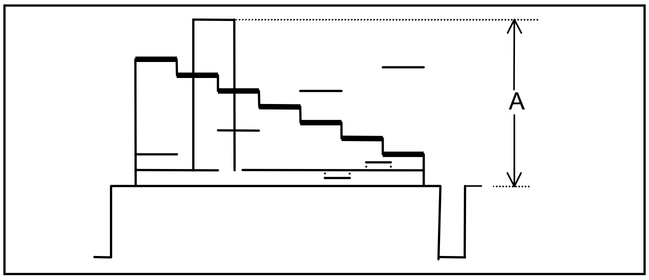
Menu Setting

3. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+], and [-]** buttons on the operation panel.
4. Set the menu as shown below.

PAGE : MAIN MENU 1/4
KNEE LEVEL
ITEM : SET UP 25/50 : **7.5%** (NTSC)

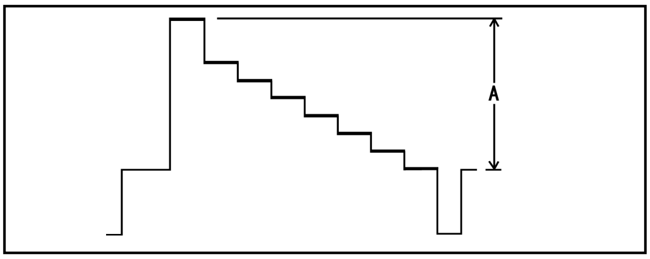
5. Adjust **VR2** so that the Level A at **P1-B48** is in the specification.

<NTSC>



<Note>
Confirm the SET UP is **7.5%**.

<PAL>



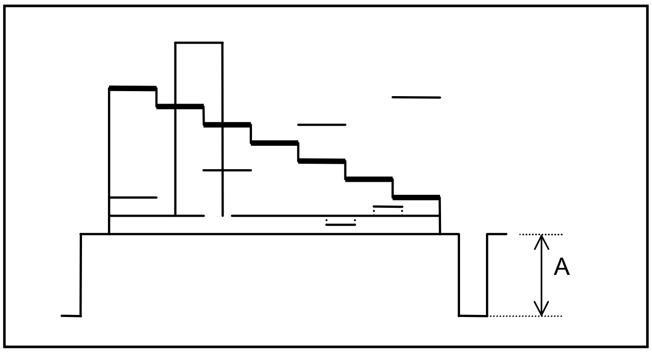
<Note>
Confirm the SET UP is **0%**.

3-4. SYNC Level Adjustment

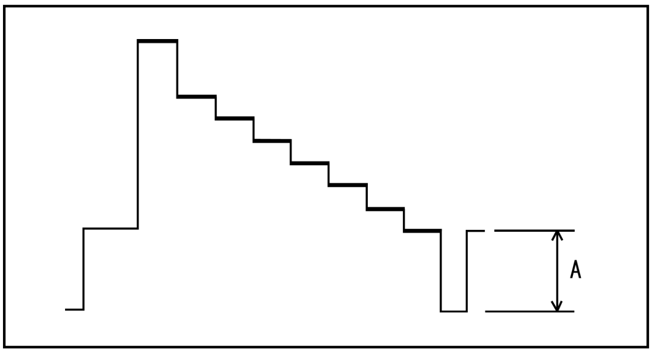
BOARD	ENCODER
TP	P1-B48 PIN (Y_26P)
ADJUST	VR1 SW201
MODE	CAMERA BAR
M. EQ.	WFM Monitor
SPEC.	A = 300mV+/-6mV

1. Connect a **26P connector** to other VCR.
2. Confirm **SW201 (26P)** is **ON**.
3. Adjust **VR1** so that the Level **A at P1-B48** is in the specification.

<NTSC>



<PAL>



3-5. PR Level Adjustment

BOARD	ENCODER
TP	P1-B52 PIN (PR_26P)
ADJUST	VR3 SW201, SW1
MODE	CAMERA BAR
M. EQ.	WFM Monitor
SPEC.	NTSC A = 700mV+/-14mV PAL A = 525mV+/-10mV

1. Connect a **26P connector** to other VCR.
2. Confirm the **SW201 (26P)** is **ON**.

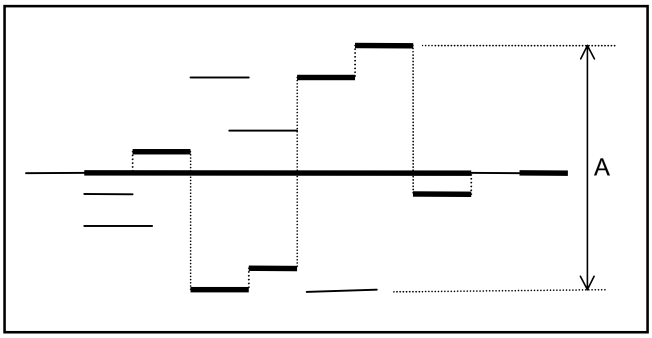
Menu Setting

3. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+], and [-]** buttons on the operation panel.
4. Set the menu as shown below.

PAGE : MAIN MENU 1/4
KNEE LEVEL
ITEM : SET UP 25/50 : **7.5%** (NTSC)

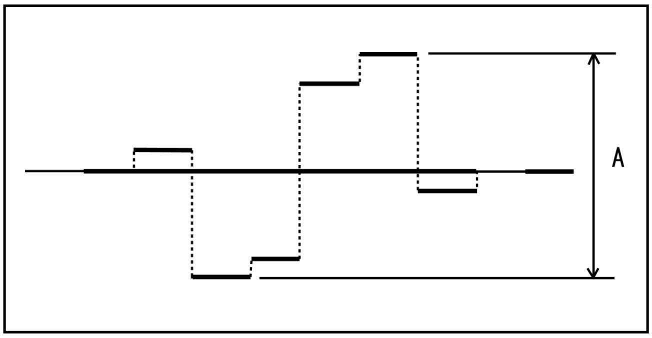
5. Adjust **VR3** so that the Level A at **P1-B52** is in the specification.

<NTSC>



<Note>
Confirm both SW1-1 and SW1-2 is at S side.

<PAL>



<Note>
Confirm both SW1-1 and SW1-2 is at M side.

3-6. PB Level Adjustment

BOARD	ENCODER
TP	P1-A48 PIN (PB_26P)
ADJUST	VR4 SW201, SW1
MODE	CAMERA BAR
M. EQ.	WFM Monitor
SPEC.	NTSC A = 700mV+/-14mV PAL A = 525mV+/-10mV

1. Connect a **26P connector** to other VCR.
2. Confirm the **SW201 (26P)** is **ON**.

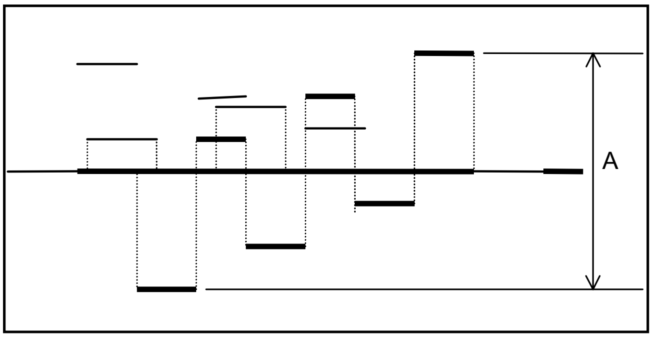
Menu Setting

3. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+], and [-]** buttons on the operation panel.
4. Set the menu as shown below.

PAGE : MAIN MENU 1/4
KNEE LEVEL
ITEM : SET UP 25/50 : **7.5%** (NTSC)

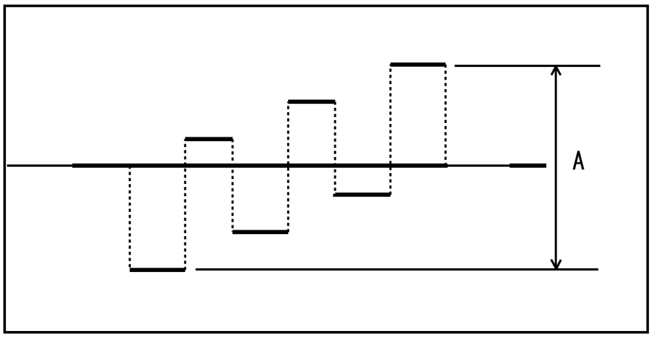
5. Adjust **VR4** so that the Level A at **P1-A48** is in the specification.

<NTSC>



<Note>
Confirm both SW1-1 and SW1-2 is at S side.

<PAL>



<Note>
Confirm both SW1-1 and SW1-2 is at M side.

3-7. Setup Level Setting

BOARD	CAM SYS
TP	VIDEO OUT, CAM OUT
ADJUST	EVR
MODE	CAMERA BAR
M. EQ.	WFM Monitor
SPEC.	Distribution (Setup Level) NTSC = 7.5% or 7.5%A PAL, Japan = 0%

Menu Setting

1. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+], and [-]** buttons on the operation panel.
2. Set the menu as shown below.
   PAGE : SERVICE ADJ.1/2
   ECU CONNECT : **EVR**

EVR Setting

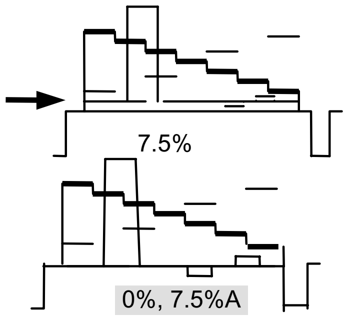
3. Set EVR as follows to set the VIDEO OUT to the COMPONENT Y OUT.
   1)COM:[1E] DATA:[27] ADR:[00] [Enter]
   2)COM:[0C] DATA:[20] ADR:[1A] [Enter]

4. Set EVR as follows.
   [0% Setup] COM:[1D] DATA:[02] [Enter]
   [7.5% Setup] COM:[1D] DATA:[04] [Enter]
   [7.5%A Setup] COM:[1D] DATA:[08] [Enter]

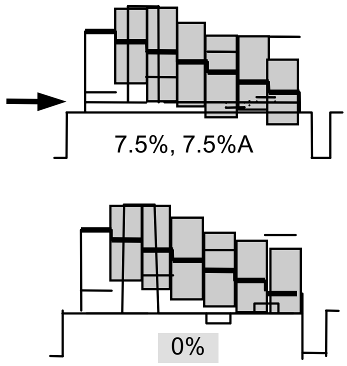
5. Set EVR and confirm that the VIDEO OUT, CAM OUT is following setting.

COM:[1E] DATA:[02] ADR:[00] [Enter]

	The setting of setup level		
	0% setting	**7.5% setting**	**7.5%A setting**
VIDEO OUT (Component out)	Output in 0%	Output in 7.5%	Output in 0%
CAM OUT (Composite out)	Output in 0%	Output in 7.5%	Output in 7.5%



VIDEO OUT Signals



CAM OUT Signals

<Note>
Especially, in setting of 7.5%A, be careful of setup level.

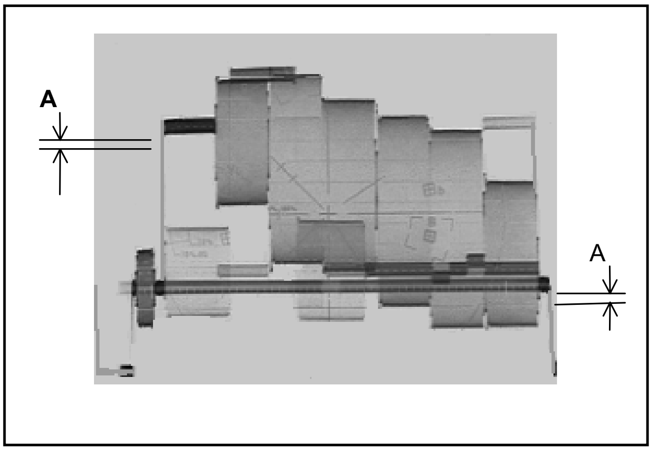
3-8. Carrier Balance Adjustment

BOARD	ENCODER
TP	CAM OUT
ADJUST	VR206[R-YBLK], VR209[B-YBLK]
MODE	CAMERA BAR
M. EQ.	WFM, Vector Scope
SPEC.	A = minimum (no carrier)

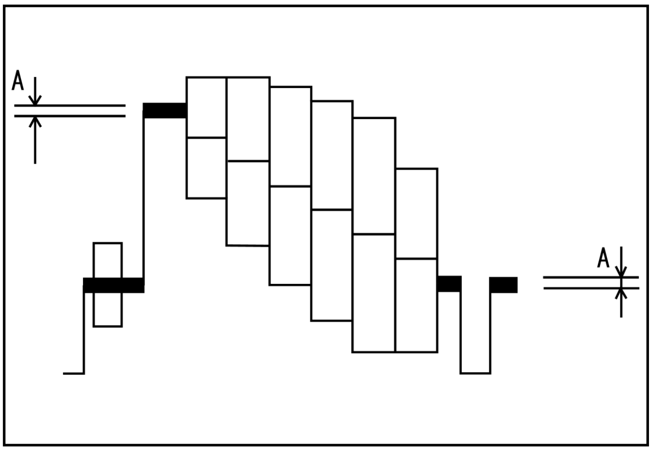
1. Connect a Waveform Monitor to the **CAM OUT** and adjust **VR206** and **VR209** so that the width **A** is minimum.

2. Connect a Vector Scope (X5) to the **CAM OUT**, and adjust **VR206 a**nd **VR209** so that the center of vector is located on the center of the vector scope.

<NTSC>



<PAL>



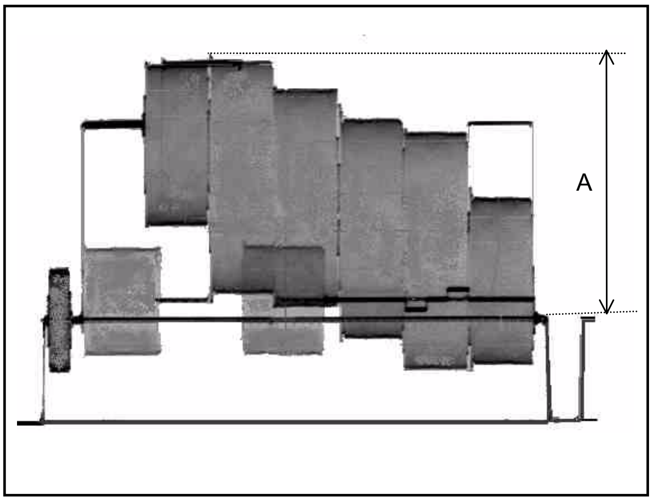
<Note>
Confirm with the setup level which is set in the **3-7**. **Setup Level Setting.**

3-9. Camera ENC Level Adjustment

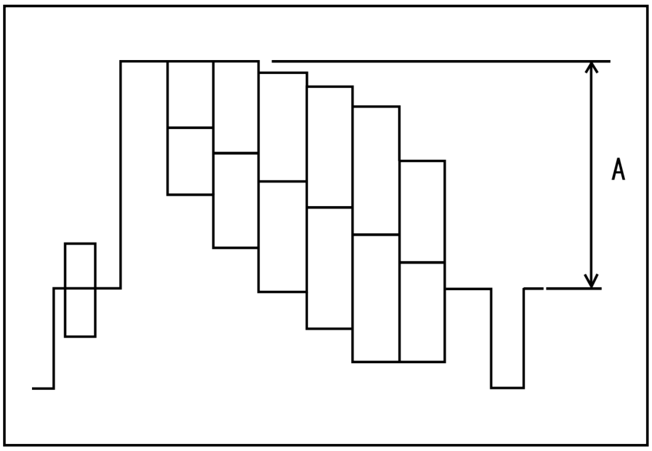
BOARD	ENCODER
TP	CAM OUT
ADJUST	VR202[CAM_LEV]
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	NTSC A = 714mV+/-15mV PAL A = 700mV+/-15mV

1. Connect to a Waveform monitor to the **CAM OUT**, and adjust **VR202** so that the Level **A** is in the specification.

<NTSC>



<PAL>



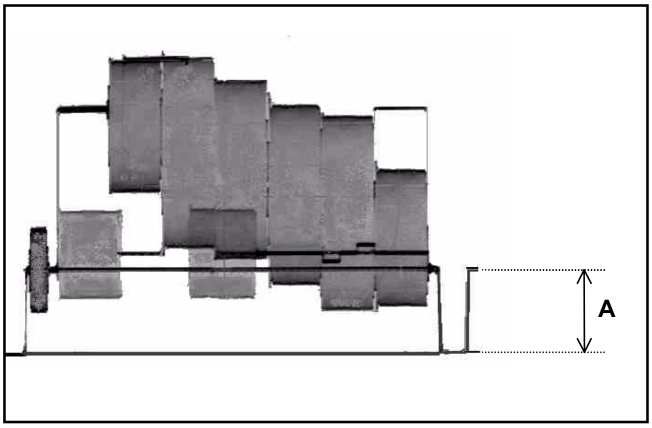
<Note>
Confirm with the setup level which is set in the **3-7**. **Setup Level Setting.**

3-10. Camera SYNC Level Adjustment

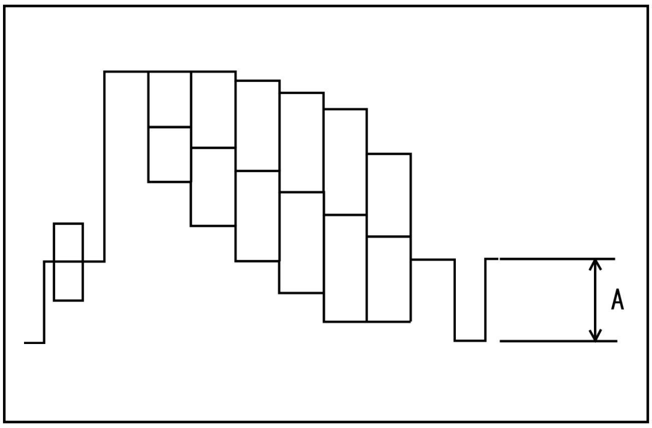
BOARD	ENCODER
TP	CAM OUT
ADJUST	VR200 [ENC_SYNC_LVL]
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	NTSC A = 286mV +/- 6mV PAL A = 300mV +/- 6mV

1. Connect **CAMERA OUT** to a Waveform Monitor and adjust **VR200** so that the level **A** is in the specification.

<NTSC>



<PAL>

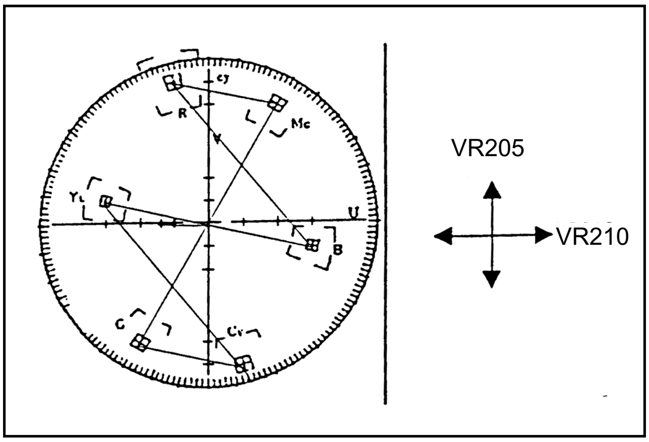


3-11. Camera Vector Adjustment

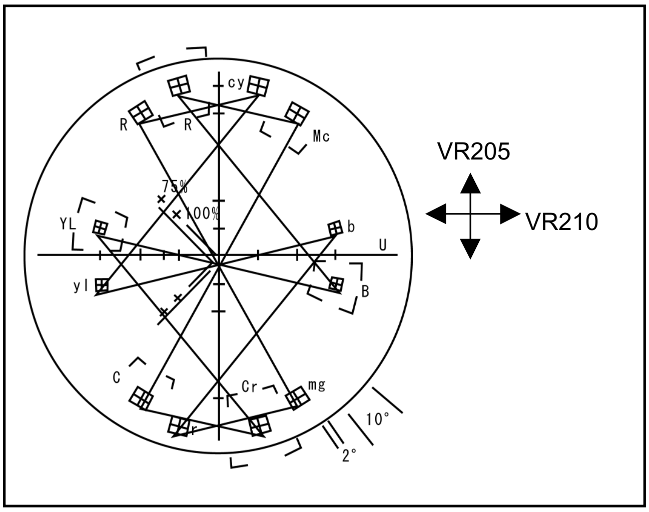
BOARD	ENCODER
TP	CAM OUT
ADJUST	VR201[C_LVE] , VC200[QUAD] VR205[PR_LEV] VR210[PB_LEV]
F.NUMBER	-
MODE	CAMERA BAR
M. EQ.	Vector Scope
SPEC.	Each color in inner box

1. Set **VR201** at mechanical center position.
2. Connect a Vector scope to the **CAM OUT** and adjust **VR205, VR210** and **VC200** so that the center of the Vector is located at center of Vector scope and each color is in the inner box.

<NTSC>



<PAL>



<Note>

Adjust **VR210** for YL-B direction and adjust **VR205** for R-Cy, and adjust **VC200** for inner box position.

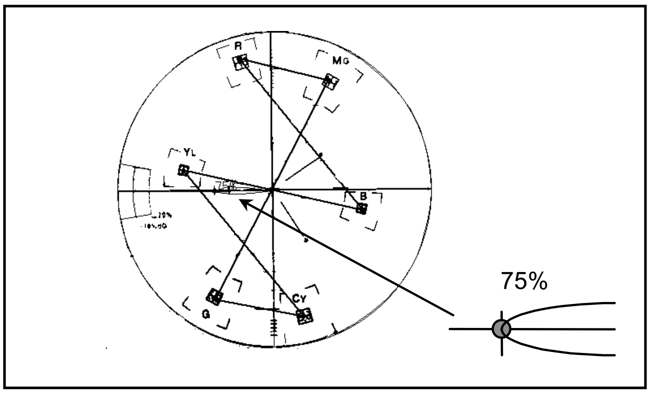
Adjust each variable adjustment alternately to get the best result.

3-12. Burst Level Adjustment

<For NTSC>

BOARD	ENCODER
TP	CAM OUT
ADJUST	VR203[BURST LVL]
MODE	CAMERA BAR
M. EQ.	Vector Scope
SPEC.	Burst Level = 75%

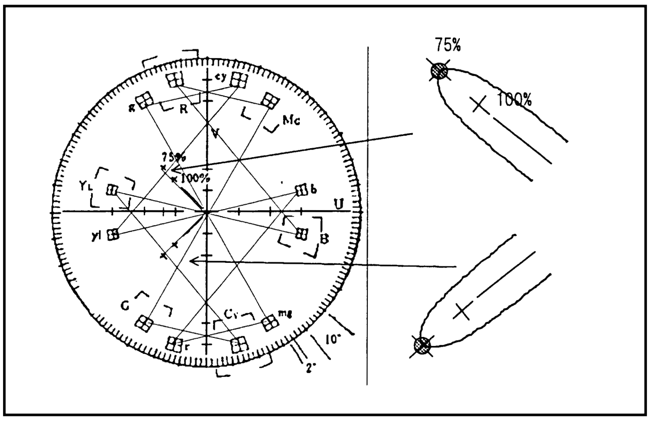
1. Connect a Waveform Monitor to the **CAM OUT** and adjust **VR203** so that the Burst level is in the specification.



<For PAL>

BOARD	ENCODER
TP	CAM OUT
ADJUST	VR203[BURST LVL] VR207[BURST PHASE]
MODE	CAMERA BAR
M. EQ.	Vector Scope
SPEC.	Burst Level : 75% Burst phase: 90 Degrees

1. Connect a Waveform Monitor to the **CAM OUT** and adjust **VR203** and **VR207** so that the Burst level is in the specification.



<Note>
If the Carrier Balance is incorrect after adjustment, repeat **3-8. Carrier Balance Adjustment** (VR206, VR209).

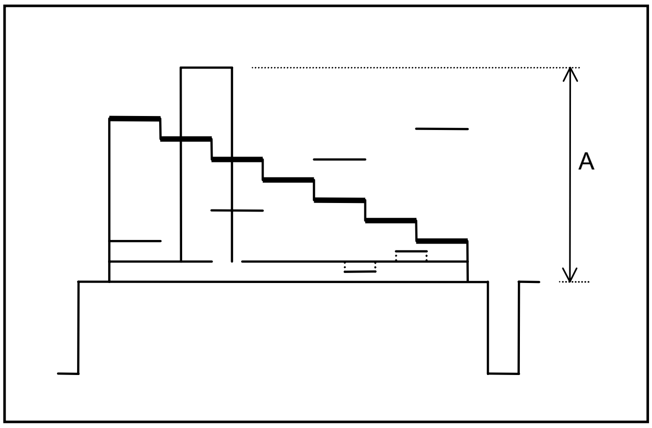
3-13. Monitor OUT Level Adjustment

BOARD	ENCODER
TP	VIDEO OUT
ADJUST	VR102[MON_LVL],EVR
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	NTSC : A = 714mV+/-15mV PAL : A = 700mV+/-15mV

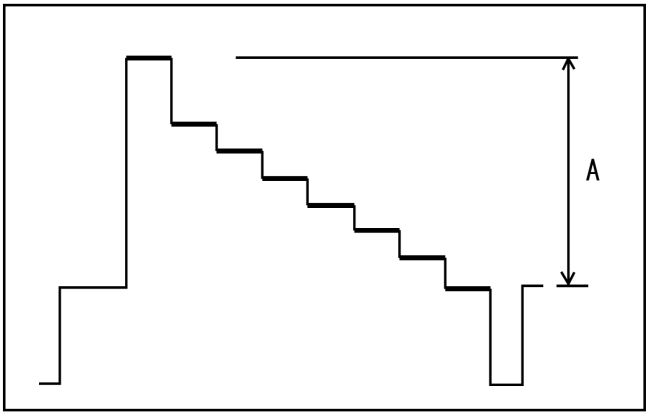
Menu Setting

1. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+],** and **[-]** buttons on the operation panel.
2. Set the menu as shown below.
   PAGE: MAIN MENU 3/4 -> VIDEO OUT
   ITEM: VIDEO OUT SEL: MONI
   CHARACTER OFF
3. Connect a Waveform Monitor to the **VIDEO OUT** and adjust **VR102** so that the level **A** is in the specification.

<NTSC>



<PAL>



4. Return the MENU setting as follows.
   PAGE: MAIN MENU 3/4 -> VIDEO OUT
   ITEM: VIDEO OUT SEL: MONI
   CHARACTER ON

3-14. Monitor SYNC Level Adjustment

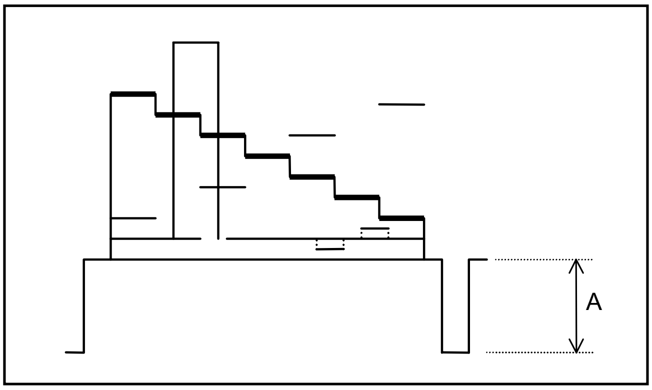
BOARD	ENCODER
TP	VIDEO OUT
ADJUST	VR101[MON_SYNC_LVL]
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	NTSC : A = 286mV +/- 6mV PAL : A = 300mV +/- 6mV

Menu Setting

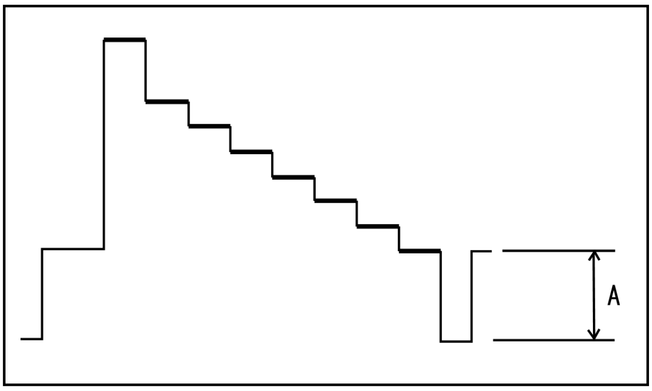
1. Set **[MENU]** switch to **SET** while pressing **[SHIFT]**, **[+]**, and **[-]** buttons on the operation panel.
2. Set the menu as shown below.
   PAGE: MAIN MENU 3/4 -> VIDEO OUT
   ITEM: VIDEO OUT SEL: MONI
   CHARACTER OFF

3. Connect a Waveform monitor to the **VIDEO OUT**, and adjust **VR101** so that the Level **A** is in the specification.

<NTSC>



<PAL>



4. Return the MENU setting as follows.
   PAGE: MAIN MENU 3/4 -> VIDEO OUT
   ITEM: VIDEO OUT SEL: MONI
   CHARACTER ON

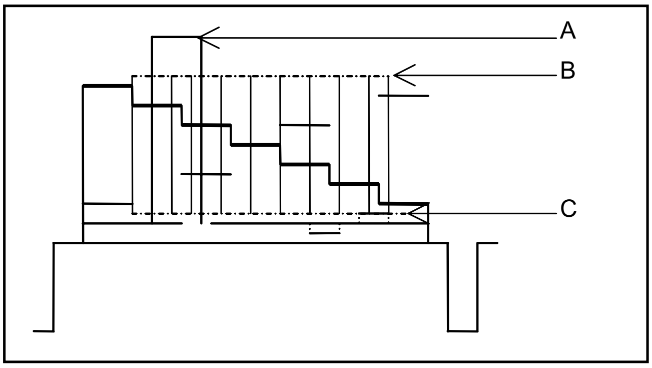
3-15. Character Level Adjustment

BOARD	ENCODER, ENC SUB
TP	VIDEO OUT
ADJUST	VR401[CHARA LVL]
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	As A level 100%, B = 55% +/- 5%, C = 10% +/- 10%

Menu Setting

1. Set Menu SW to ON.

2. Connect a Waveform monitor to the **VIDEO OUT**, and adjust **VR401** so that the Level B and C are in the specification.



3-16. VIDEO IN Level Adjustment

BOARD	ENCODER
TP	VIDEO OUT
ADJUST	VR105[RET_LEV]
INPUT	Color Bar (GEN LOCK IN)
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	A = 1V +/- 20mV

1. Supply a composite signal to **GEN LOCK IN**.

Menu Setting

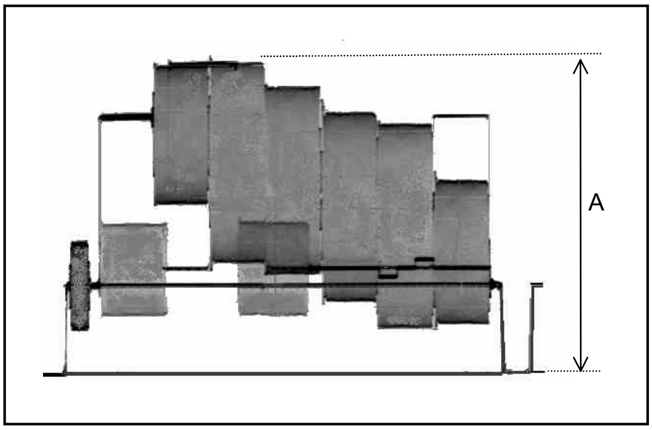
2. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+],** and **[-]** buttons on the operation panel.

3. Set the menu as shown below.
   PAGE: MAIN MENU 3/4 ->
   REC (ASPECT)/PB/RET
   ITEM: REC SIGNAL: VIDEO

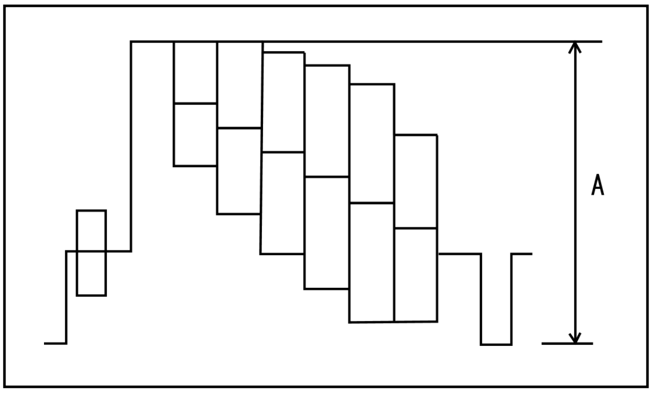
4. Connect a Waveform monitor to the **VIDEO OUT**, and adjust **VR105** so that the Level **A** is in the specification.

5. Return the MENU as follows.
   PAGE: MAIN MENU 3/4 ->
   REC (ASPECT)/PB/RET
   ITEM: REC SIGNAL: CAM

<NTSC>



<PAL>



3-17. MON ENC Level Adjustment

BOARD	ENCODER
TP	VIDEO OUT
ADJUST	VR103[ENC_LEV],EVR
MODE	CAMERA BAR
M. EQ.	WFM
SPEC.	A = 1V +/- 20mV

Menu Setting

1. Set **[MENU]** switch to **SET** while pressing **[SHIFT], [+],** and **[-]** buttons on the operation panel.
2. Set the menu as shown below.
   PAGE: SERVICE ADJ. 1/2
   ITEM: ECU CONNECT : **EVR**

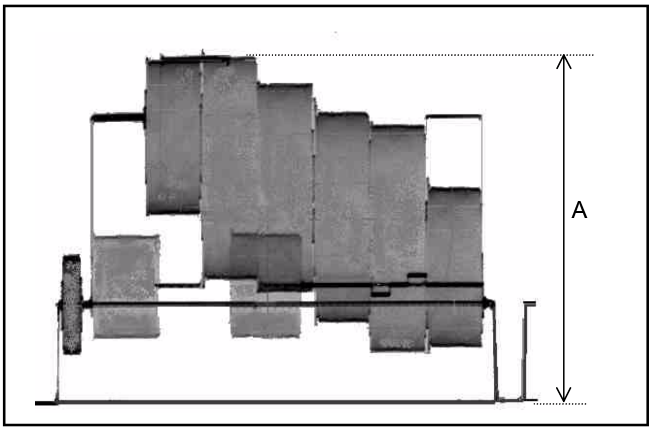
EVR Setting

Set EVR as shown below.
COM:[1E] DATA:[03] ADR:[00] [Enter]
COM:[1E] DATA:[04] ADR:[00] [Enter]

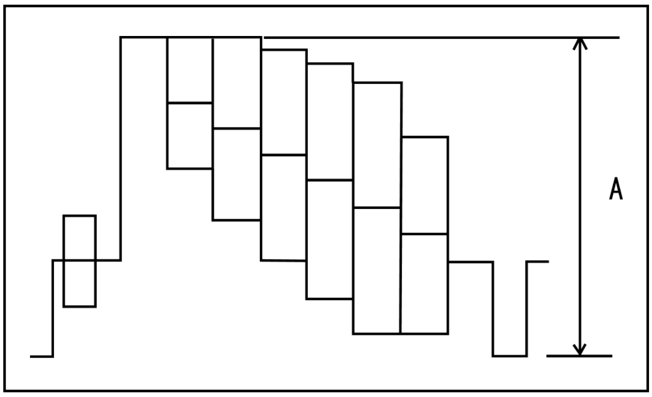
3. Connect a Waveform monitor to the **VIDEO OUT**, and adjust **VR103** so that the Level **A** is in the Specification.

4. Return the MENU as follows.
   PAGE: MAIN MENU 3/4 -> VIDEO OUT
   ITEM: VIDEO OUT SEL: ENC
   CHARACTER: ON

<NTSC>



<PAL>

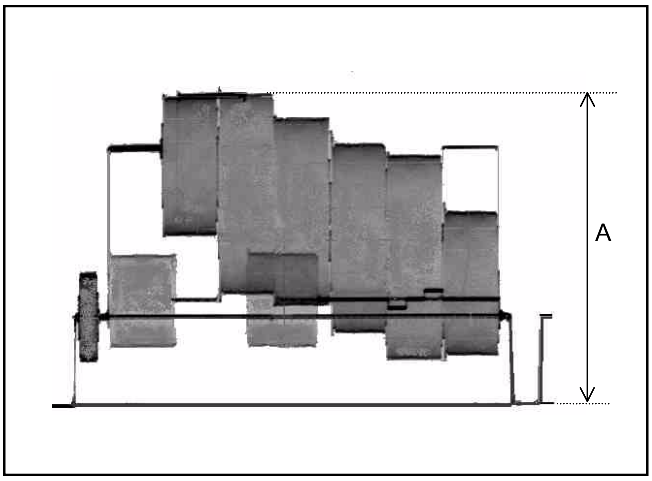


3-18. PLAYBACK Level Adjustment

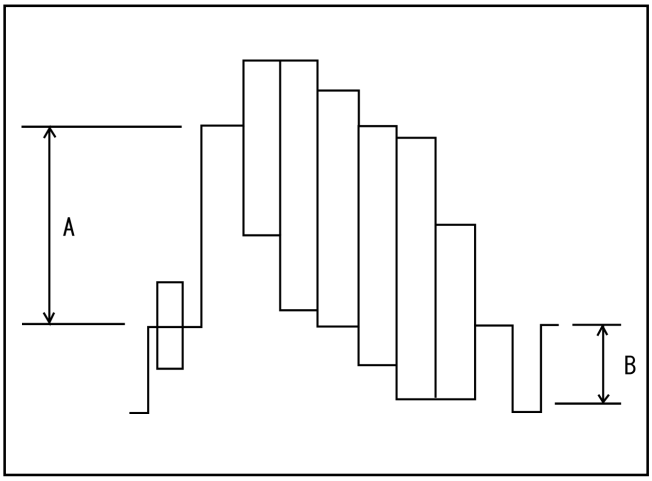
BOARD	ENCODER
TP	VIDEO OUT
ADJUST	VR104[PBK_LEV]
MODE	Color Bar Master Tape Playback VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	WFM
SPEC.	NTSC A = 1V +/- 20mV PAL A = 700mV +/- 15mV B = 300mV +/- 10mV

1. Connect a Waveform monitor to the **VIDEO OUT**, and adjust **VR104** so that the Level **A,B** is in the specification.

<NTSC>



<PAL>



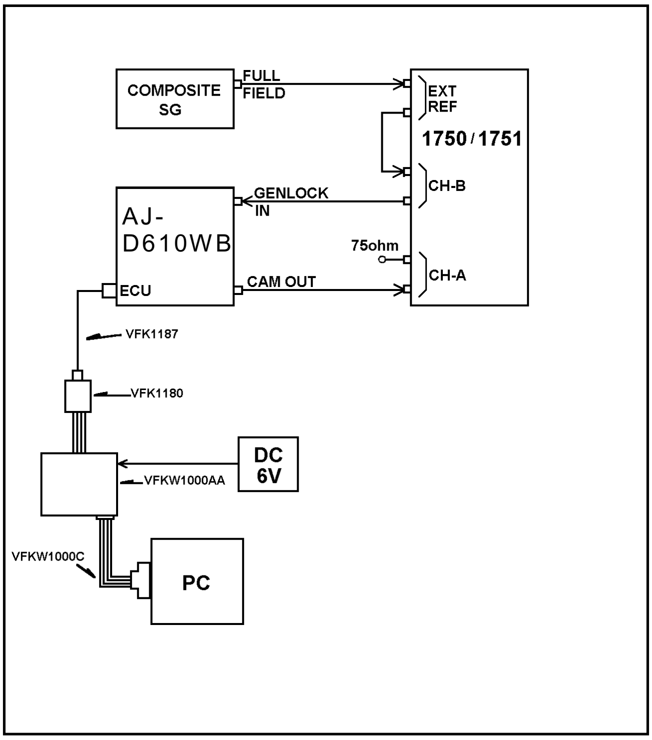
4. SYNC

4-1. Setting Method

1. Set the switches of camera recorder as shown below.

SHUTTER	:OFF
GAIN	:L
OUTPUT	:BAR
WHITE BAL	:PRE

2. Connect the cables as shown below with the Camera Recorder and the EVR power OFF.


COMPOSITE SG
FULL FIELD
EXT REF
1750/1751
CH-B
GENLOCK IN
AJ-D610WB
75ohm
CH-A
ECU
CAM OUT
VFK1187
VFK1180
DC 6V
VFKW1000AA
VFKW1000C
PC

4-2. 4fsc VCO Adjustment

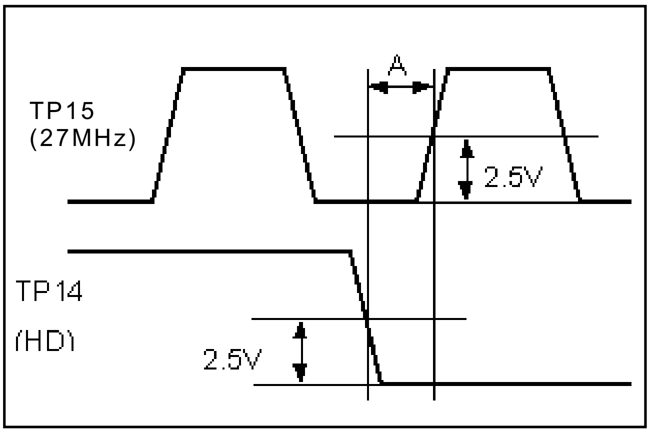
BOARD	SYNC
TP	TP3101
ADJUST	VR3104
INPUT	-
MODE	CAMERA BAR
M. EQ.	Frequency Counter
SPEC.	NTSC : f=14.31818MHz +/- 10Hz PAL : f=17.734475MHz +/- 10Hz

1. Connect a frequency counter at **TP3101** and adjust **VR3104** so that the frequency is in the specification.

4-3. 27MHz CLOCK Adjustment

BOARD	SYNC,DSP
TP	TP15 [27MHz] TP14 [HD] (DSP)
ADJUST	VR3002 (SYNC)
INPUT	-
MODE	CAMERA BAR
M. EQ.	Oscilloscope
SPEC.	A=12ns +/- 2ns

1. Connect an oscilloscope to **TP15 (27MHz)**, **TP14 (HD)** and adjust **VR3002** so that the **A** is in the specification.

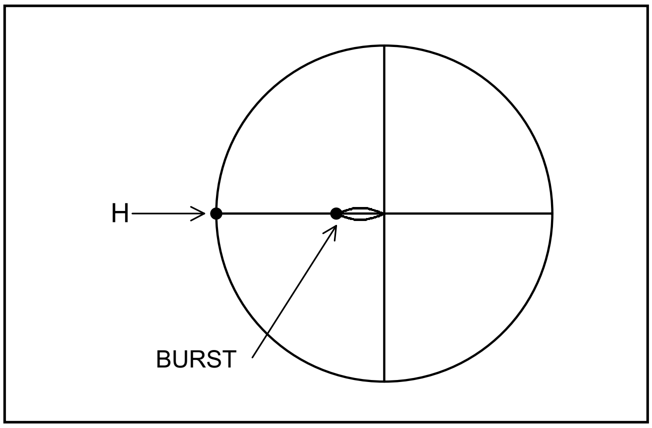

TP15
(27MHz)
A
2.5V
TP14
(HD)
2.5V

4-4. SCH PHASE Adjustment

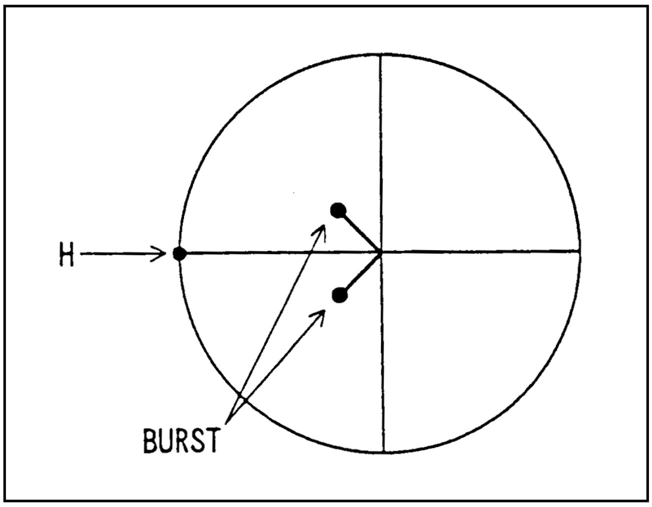
BOARD	SYNC
TP	CAM OUT
ADJUST	VR3102
INPUT	-
MODE	CAMERA BAR
M. EQ.	SCH meter
SPEC.	SCH = 0+/-2 Degrees

1. Adjust **VR3102** so that the SCH of the **CAM OUT** is in the specification.

<NTSC>



<PAL>



4-5. SYSTEM PHASE Adjustment (1)

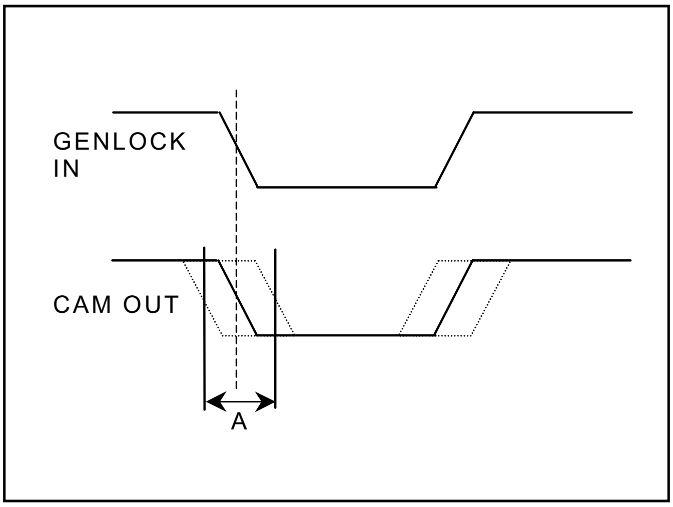
BOARD	SYNC
TP	CAM OUT
ADJUST	VR3103 [SYSTEM H PHASE], EVR
INPUT	Any composite signal (GENLOCK IN)
MODE	CAMERA BAR
M. EQ.	SCH meter
SPEC.	A = less than 3 us

1. Supply a composite signal to the **GENLOCK IN** and set the GENLOCK MODE to the **"EXT"** in the ENG MENU (GENLOCK/IRIS page).

2. Set the EVR as shown below.

   COM:[1E] DATA:[14] ADR:[00]   [Enter]

3. Adjust **VR3103** so that the Sync phase of GENLOCK signal is the same phase as the CAM OUT.

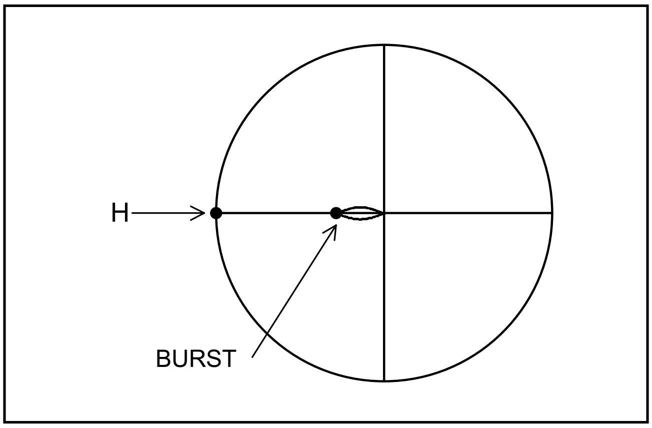


4-6. SYSTEM PHASE Adjustment (2)

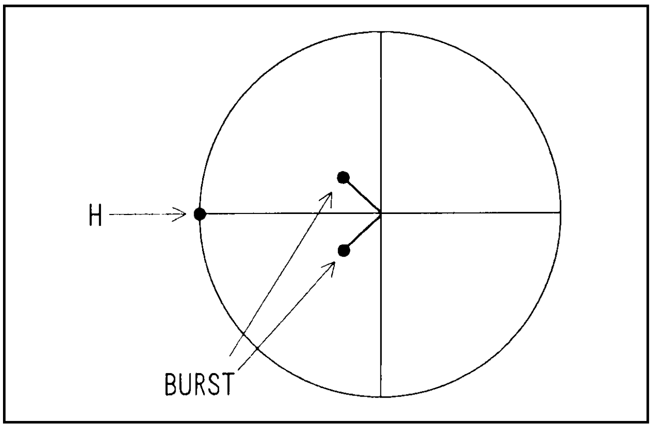
BOARD	SYNC
TP	CAM OUT
ADJUST	VR3103 [SYSTEM H PHASE]
INPUT	Composite Color Bar signal (GENLOCK IN)
MODE	Camera Bar
M. EQ.	SCH meter
SPEC.	See below

1. Set the SCH meter at EXT Mode.
2. Precise adjust the **VR3103** so that the Burst phase of GENLOCK IN is same as CAM OUT signal.

<NTSC>



<PAL>

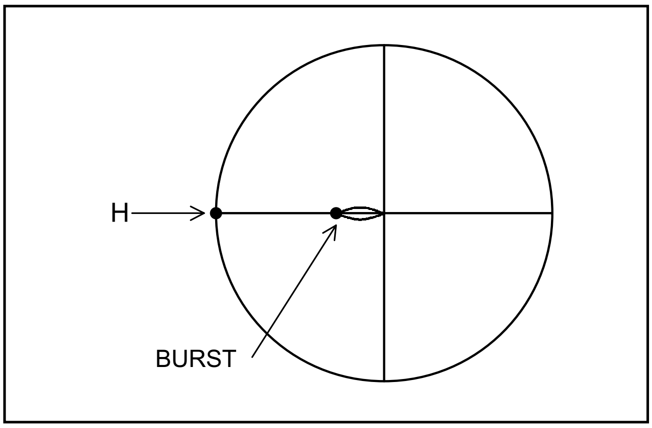


4-7. SYSTEM PHASE Adjustment (3)

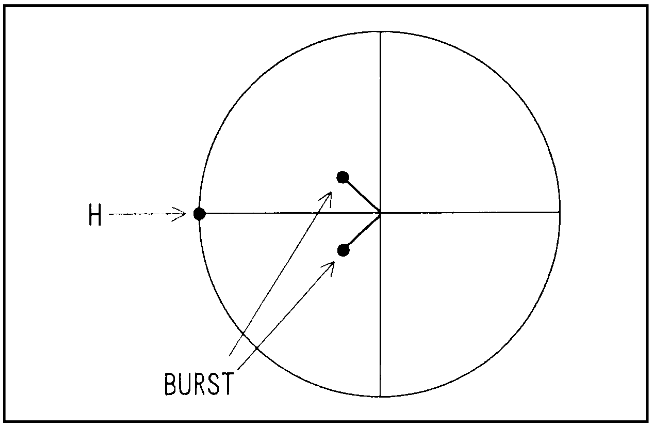
BOARD	SYNC
TP	CAM OUT
ADJUST	VR3001 [BURST PHASE], EVR
INPUT	Composite Color Bar signal (GENLOCK IN)
MODE	Camera Bar
M. EQ.	SCH meter
SPEC.	See below

1. Set the SCH meter at EXT Mode.
2. Set the EVR as shown below.
   COM:[1E] DATA:[1C] ADR:[00] [Enter]
3. Adjust the **VR3001** so that the Burst phase of GENLOCK IN is same as CAM OUT signal.

<NTSC>



<PAL>



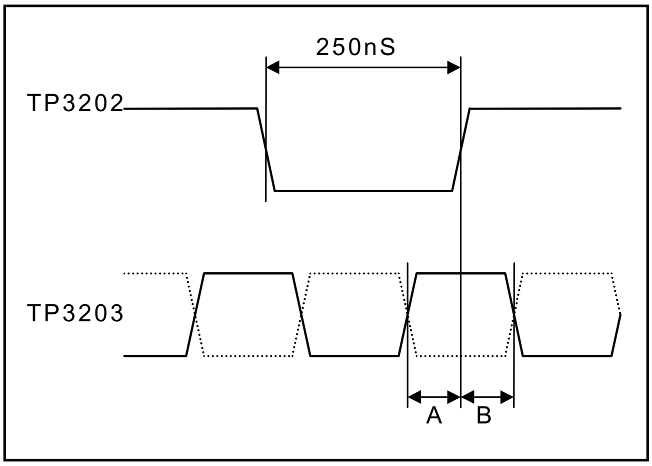
4-8. REF SCH Adjustment

<MEMO>

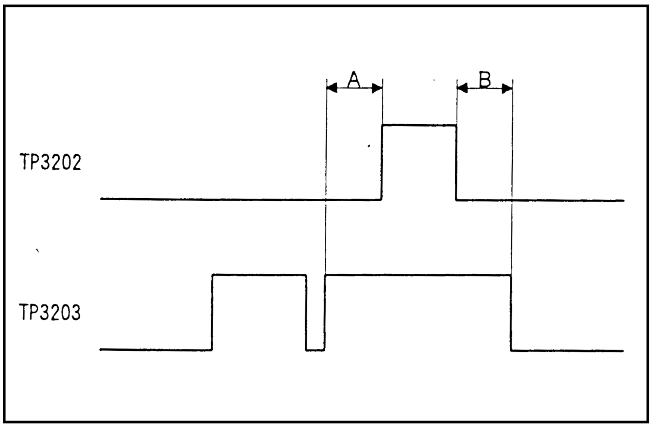
BOARD	SYNC
TP	TP3202, TP3203
ADJUST	VR3101
INPUT	Composite Color Bar signal (GENLOCK IN)
MODE	CAMERA BAR
M. EQ.	Oscilloscope
SPEC.	A = B +/- 10%

1. Connect a scope at **TP3202** and **TP3203** and adjust **VR3101** so that the ratio of **A** and **B** is in the specification.
2. Set the GENLOCK MODE to the **“INT”**.

<NTSC>


250nS
TP3202
TP3203
A
B

<PAL>

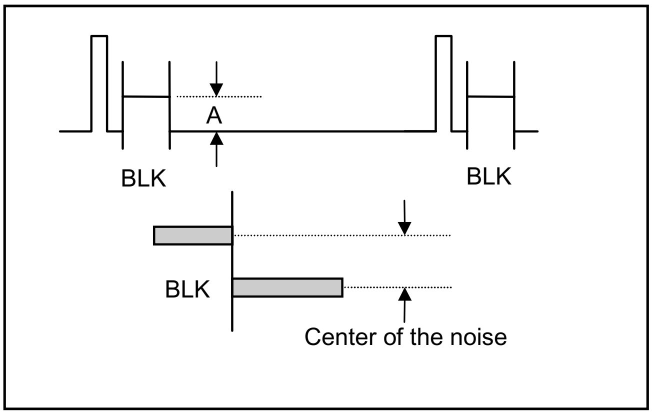

A
B
TP3202
TP3203

5. PRE PROCESS

5-1. R,G,B PEDESTAL Adjustment

BOARD	PRE PROCESS, SYNC
TP	TP103[R],TP303[G],TP503[B] (PRE PROCESS) TP3206[HD] (SYNC)
ADJUST	VR103[R PED] (PRE PROCESS) VR303[G PED] (PRE PROCESS) VR503[B PED] (PRE PROCESS) EVR
F.NUMBER	-
MODE	CAM ON
M. EQ.	Oscilloscope
SPEC.	A = 0 +/- 50mV

1. Set the **EVR**.
   COM:[1E] DATA:[20] ADR:[00] [Enter]
2. Connect a scope to **TP3206** (SYNC) for trigger.
3. Connect a scope to **TP103** and adjust **VR103** so that the center of the noise of signal period and BLK period are the same.
4. Connect a scope to **TP303** and adjust **VR303** so that the center of the noise of signal period and BLK period are the same.
5. Connect a scope to **TP503** and adjust **VR503** so that the center of the noise of signal period and BLK period are the same.

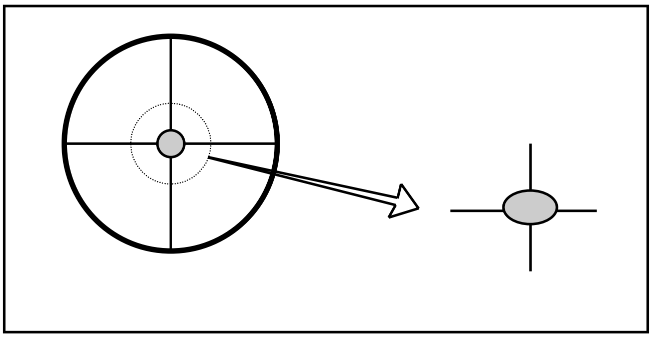


5-2. 0 IRE ABB Confirmation

BOARD	CAM SYSCON
TP	CAM OUT (75 ohm termination)
ADJUST	EVR
F.NUMBER	-
MODE	-
M. EQ.	Vector Scope
SPEC.	Center of Vector = Center of Vector Scope

1. Set the **EVR**.
   COM:[1E] DATA:[20] ADR:[00][Enter]
   (GAIN L:0dB, KNEE:OFF, PED PRESET:2.0V)
   COM:[1E] DATA:[21] ADR:[00][Enter]
   (GAIN L M H:0dB, KNEE:OFF, 0IRE ABB SET)
2. Operate the **ABB**.
3. Connect a **Vector Scope** then set the gain to Max**,** Confirm the black dot is on the origin of the **Vector Scope**.
4. Continue next adjustment with this setting.

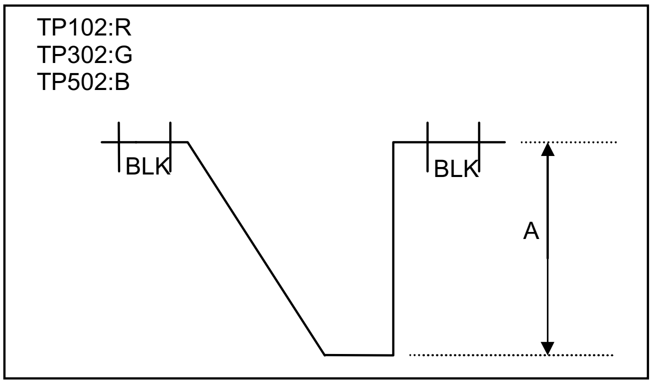
*Observe the vector signal with vector scope gain MAX



5-3. R,G,B TEST Signal Level Adjustment

BOARD	PRE PROCESS, SYNC
TP	TP102[R] (PRE PROCESS) TP302[G] (PRE PROCESS) TP502[B] (PRE PROCESS) TP3206[HD] (SYNC)
ADJUST	VR3505[TEST R] (SYNC) VR3506[TEST G] (SYNC) VR3507[TEST B] (SYNC) EVR
F.NUMBER	Internal TEST Ramp Signal
MODE	-
M. EQ.	Oscilloscope
SPEC.	A = 666 +/- 10mVp-p

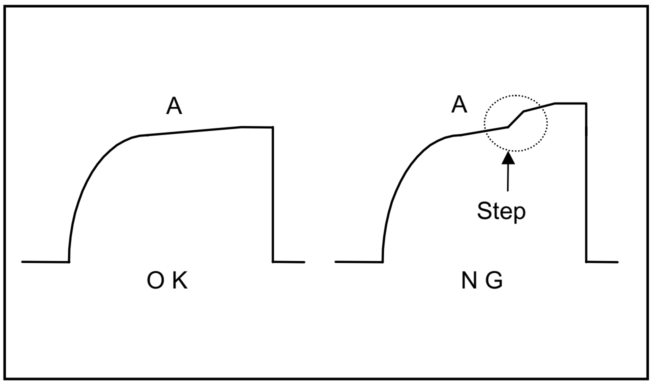
1. Set the **EVR** as shown below.
   COM:[1E] DATA:[22] ADR:[00] [Enter]
   (GAIN L:0dB, KNEE:OFF, TEST PULSE:ON)
2. Connect a scope to **TP3206** (SYNC Board) as trigger.
3. Connect a scope to **TP102** and adjust **VR3505** so that the level **A** is in the specification.
4. Connect a scope to **TP302** and adjust **VR3506** so that the level **A** is in the specification.
5. Connect a scope to **TP502** and adjust **VR3507** so that the level **A** is in the specification.



5-4. R,G,B AD Input Level Adjustment

BOARD	PRE PROCESS
TP	VIDEO OUT (75 ohm termination)
ADJUST	VR105[R AD] VR305[G AD] VR505[B AD] EVR
F.NUMBER	Internal TEST Ramp signal
MODE	-
M. EQ.	WFM
SPEC.	A portion is flat.

1. Set A. KNEE to OFF.
2. Set the **EVR** and select R channel.
   COM:[1E] DATA:[23] ADR:[00] [Enter]
   (GAIN L:9dB, MANUAL KNEE SLOPE:25, TEST PULSE:ON, MONI OUT SEL:R)
3. Connect a Waveform monitor to the **VIDEO OUT** and adjust **VR105** so that the A portion is flat. When adjust **VR105**, the level should be as smooth as possible while A portion is flat.
4. Set the **EVR** as shown below and select G channel.
   COM:[1E] DATA:[24] ADR:[00] [Enter]
   (GAIN L:9dB, MANUAL KNEE SLOPE:25, TEST PULSE:ON, MONI OUT SEL:G)
5. Connect a Waveform monitor to the **VIDEO OUT** and adjust **VR305** so that the "A" portion is flat.
6. Set the **EVR** as shown below and select B channel.
   COM:[1E] DATA:[25] ADR:[00] [Enter]
   (GAIN L:9dB, MANUAL KNEE SLOPE:25, TEST PULSE:ON, MONI OUT SEL:B)
7. Connect a Waveform monitor to the **VIDEO OUT** and adjust **VR505** so that the "A" portion is flat.
8. Confirm that the RGB signal is the same level and waveform shape. (Vector dot should be at origin of the vector scope.)



5-5. R,G,B PED TRACK Adjustment

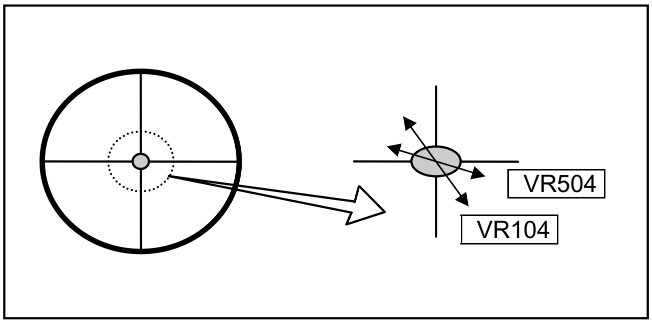
BOARD	PER PROCESS
TP	CAM OUT (75 ohm termination)
ADJUST	VR104 [R TRACK] VR504 [B TRACK] EVR
F.NUMBER	-
MODE	-
M. EQ.	Vector Scope
SPEC.	Center of Vector = Center of Vector Scope

Menu Setting

1. While pressing **[SHIFT], [+],** and **[-]** buttons and set **[MENU]** switch to **SET**.
2. Set data as shown below. (Please take note if the data is already exist. It is necessary to return original data again after this adjustment.)

PAGE: MAIN MENU 1/4 → FLARE/GAMMA
R FLARE : **0**
G FLARE : **0**
B FLARE : **0**
R GAMMA : **0**
B GAMMA : **0**
PAGE: SERVICE ADJ 2/2.
R GAMMA (1) : **0**
B GAMMA (1) : **0**

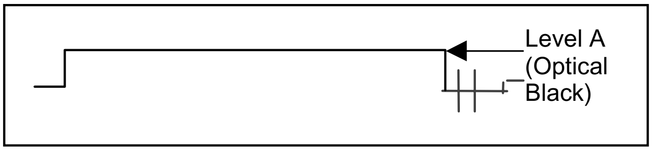
3. Set the EVR as shown below to change the pedestal level.
   COM:[1E] DATA:[28] ADR:[00] [Enter]
4. Connect a **Vector Scope** and set the gain to Max**,** then adjust **VR104**[R TRACK] and **VR504** [B TRACK] precisely so that the black dot is on the origin of the **Vector Scope**.
5. Set the EVR as shown below to change the pedestal level.
   COM:[1E] DATA:[29] ADR:[00] [Enter]
6. Connect a **Vector Scope,** and confirm that the black dot is on the origin of the **Vector Scope**. If it is not adjust **VR104**[R TRACK] and **VR504** [B TRACK].
7. Repeat item 3 to 6.
8. After this adjustment, input original data which was changed at step 2.



5-6. PRE AMP DC Adjustment

BOARD	PER AMP
TP	TP104[R-SH], TP204[G-SH], TP304[B-SH]
ADJUST	VR101[R DC], VR201[G DC], VR301[B DC]
F.NUMBER	-
MODE	-
M. EQ.	Oscilloscope
SPEC.	A=0±50mVDC

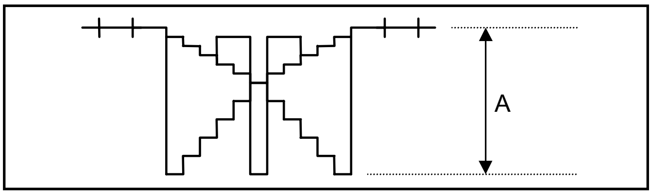
1. Connect an oscilloscope to **TP104** and adjust **VR101** so that the level A (Optical black) is in the specification.
2. Connect an oscilloscope to **TP204** and adjust **VR201** so that the level A (Optical black) is in the specification.
3. Connect an oscilloscope to **TP304** and adjust **VR301** so that the level A (Optical black) is in the specification.



5-7. R,G,B SH Level Adjustment

BOARD	CCD PULSE, SYNC
TP	TP102[R], TP302[G], TP502[B] (PER PROCESS) TP3206 (SYNC) for trigger
ADJUST	VR102[R LEVEL] (PER AMP) VR202[G LEVEL] (PER AMP) VR302[B LEVEL] (PER AMP), EVR
F.NUMBER	Grayscale Chart (Reflection Type 3200K)
MODE	F11 + 1/2
M. EQ.	Oscilloscope
SPEC.	A = 666 +/- 10mVp-p

1. Set the Lens Extender to X1.
2. Set the EVR as shown below.
   COM:[1E] DATA:[27] ADR:[00] [Enter]
   (GAIN L:0dB, KNEE:OFF, TEST PULSE:ON)
3. Connect an oscilloscope to TP3206 (SYNC Board) for trigger.
4. Connect an oscilloscope to TP102 and adjust VR102 so that the level A is in the specification.
5. Connect an oscilloscope to TP302 and adjust VR202 so that the level A is in the specification.
6. Connect an oscilloscope to TP502 and adjust VR302 so that the level A is in the specification.



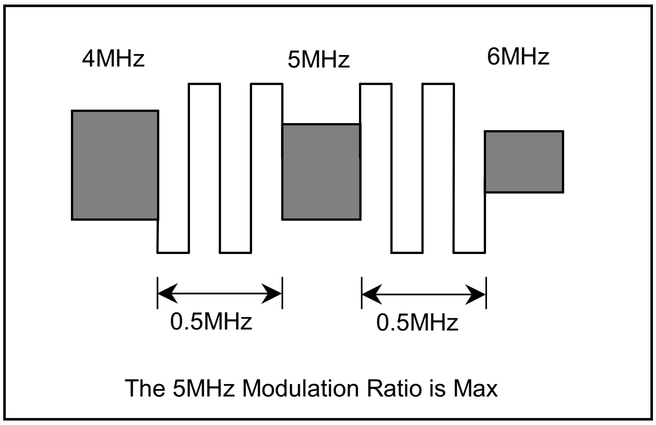
5-8. Modulation Ratio Adjustment

BOARD	CCD PULSE,SYNC
TP	CAM OUT
ADJUST	VR1[CW] (CCD PULSE) VR3501[MOD 1] (SYNC) VR3503[MOD 3] (SYNC), EVR
F.NUMBER	1/1000, 1/2000
MODE	Inmega Chart (transparency type)
M. EQ.	WFM

1. Turn the Power SW off to On (Data refresh)
2. Set the Shutter SW to **1/500** mode
3. Shoot the Inmega chart and set Iris so that the white peak level is 80 %. Then operate AWB for A ch mode.
4. While pressing **[SHIFT][+]** buttons and set **[MENU]** switch.
5. Set the menu as shown below.
   EVALUATION MENU FUNCTION
   MODULATION : ON

6. Rotate the **VR3501** to center position.
7. Adjust the **VR1** so that the **5MHz part** level is 80%+/-2% (As 0.5MHz part = 100%).
8. Set the Camera Recorder switches as shown below.
   SHUTTER : **1/2000**
   GAIN : **S.GAIN (+30dB)**
   IRIS : **0.5MHz part level is 80%**

9. Adjust the **VR3503** so that the 5MHz part level is Maximum.
10. Returns based on the setting.
    SHUTTER : **OFF**
    GAIN : **L (0dB)**

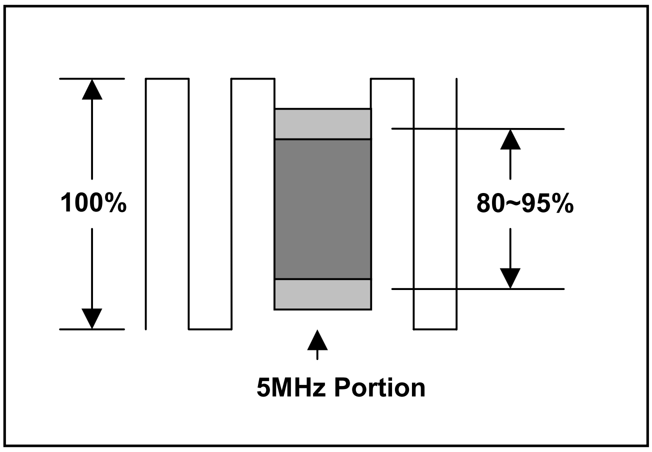


The 5MHz Modulation Ratio is Max

5-9. Modulation Ratio Confirmation

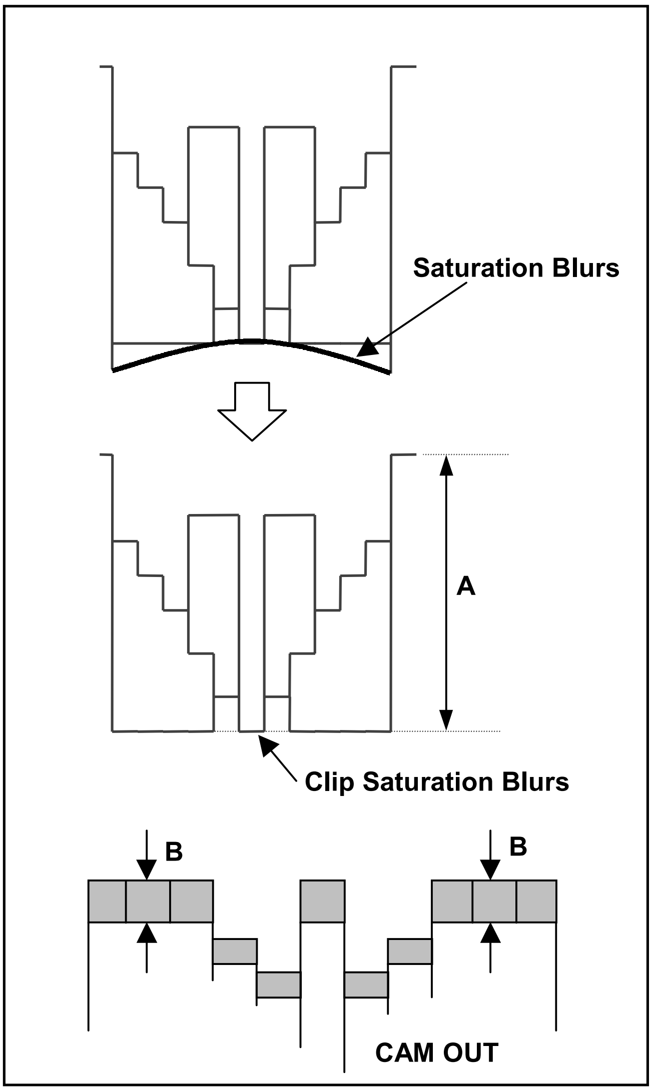
BOARD	SYNC
TP	CAM OUT
ADJUST	EVR
F.NUMBER	-
MODE	Inmega Chart (transparency type)
M. EQ.	WFM
SPEC.	5MHz Modulation Ratio = 80%-95%

1. Set the EVR as shown below.
   COM:[1E] DATA:[35] ADR:[00] [ENTER]
2. Set Iris so that the white peak is 80%. Then set the white balance to A channel and operate AWB.
3. Set the Iris to F8~F5.6.
4. Connect **CAM OUT** to a Waveform monitor and confirm that Modulation Ratio at 5MHz is in the Specification.
5. Set the EVR as shown below.
   COM:[1E] DATA:[3A] ADR:[00] [Enter]



5-10. Highlight Clip Adjustment

BOARD	PRE AMP, PRE PROCESS
TP	TP102[R] (PRE PROCESS) TP302[G] (PRE PROCESS) TP502[B] (PRE PROCESS)
ADJUST	VR103[R CLIP] (PRE AMP) VR203[G CLIP] (PRE AMP) VR303[B CLIP] (PRE AMP)
F.NUMBER	-
MODE	Gray Scale Chart (2000Lux)
M. EQ.	Oscilloscope, WFM
SPEC.	A = more than 3000mV (more than 450%) B = less than 3 IRE



1. Set EVR as shown below.
   COM:[1E] DATA:[3A] ADR:[00] [Enter]
2. Set the ABB SW to PRESET position and execute ABB.
3. Connect an oscilloscope to **TP102 (R), TP302 (G), TP502 (B)** on the PRE PROCESS and adjust **VR103 (R_CLIP), VR203 (G_CLIP), VR303 (B_CLIP)** on the PRE AMP so that the saturation blurs (curve) is disappeared with iris open condition.
   If there is no saturation blurs, turn the each VR to clipped direction so that signal is just changed to small.
   And then, confirm the each signal level (R,G,B) to find the lowest channel in level. Then adjust higher channels VR to the signal level of lowest channel.
   Confirm the level **"A"** is in the specification.
4. Set the iris position to F11. Then turn the iris to open side slowly. When the upper 3 steps of grayscale chart are become flat, stop the iris.
5. Confirm the CAM OUT signal by WFM so that carrier level "B" is in the specification. If it is not, adjust two VRs, which is selected except lowest level channel in the item 3.
6. Confirm that the carrier level **"B"** is in the specification again.

Note:
1. If carrier portion "B" has bias, adjust each VR so that the all portion become evenly.
2. Observe with WFM gain to X10 mode.

6. CAMERA SYSCON

6-1. White Shading Adjustment

BOARD	CAM SYSCON
TP	TP302[G] (PRE PROCESS) CAM OUT (75 ohm termination)
ADJUST	EVR
CHART	Light Box (Spherical type) Distance Aprox.50cm, Defocus
SHUTTER	1/250
M. EQ.	Monitor TV, WFM, Vector Scope
SPEC.	Monitor : No colored WFM : Flat Vector Scope : Dot is circle and cross on the origin

Set the Camera recorder switches and M.EQ. settings as shown below.

Vector scope : X10 mode
Camera Aspect : 16:9 mode

Normal setting

1. Set a lens extender **X1** condition.
2. Set the EVR as shown below.
   COM:[1E] DATA:[30] ADR:[00] [Enter]
3. Connect a WFM to **CAM OUT** and set Iris so that the peak level is **80%**.
4. Set the **WHITE BAL SW** to **A** position and operate **AWB**, then operate **ABB to AWB**.
5. Set the EVR as shown below.
   (Execute the WHITE SAHDING)
   COM:[1E] DATA:[31] ADR:[00] [Enter]
6. Confirm the each signals condition is in the specification.

With Lens Extender setting

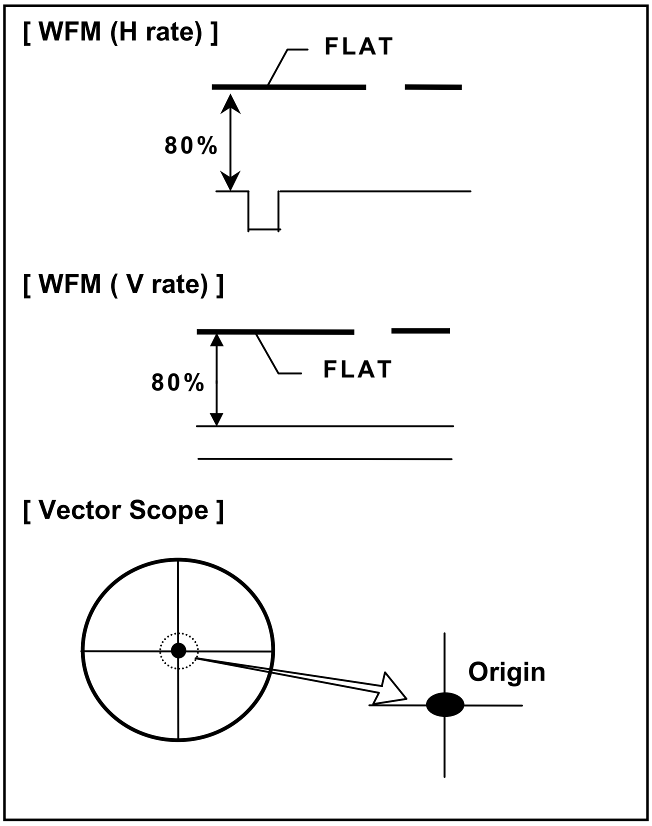
7. Set a lens extender **X2** condition.
8. Connect a WFM to **CAM OUT** and set Iris so that the peak level is **80%**.
9. Set the **WHITE BAL SW** to **A** position and operate **AWB**, then operate **ABB to AWB**.
10. Set the EVR as shown below.
    (Execute the WHITE SAHDING)
    COM:[1E] DATA:[31] ADR:[00] [Enter]
11. Confirm the each signal condition is in the specification.

With Ratio converter setting

12. Set a lens extender **X1** condition. Then set a lens ratio converter **X0.8** condition.
13. Connect a WFM to **CAM OUT** and set Iris so that the peak level is **80%**.
14. Set the **WHITE BAL SW** to **A** position and operate **AWB**, then operate **ABB to AWB**.
15. Set the EVR as shown below.
    (Execute the WHITE SAHDING)
    COM:[1E] DATA:[31] ADR:[00] [Enter]
16. Confirm the each signal condition is in the specification.

<Note>

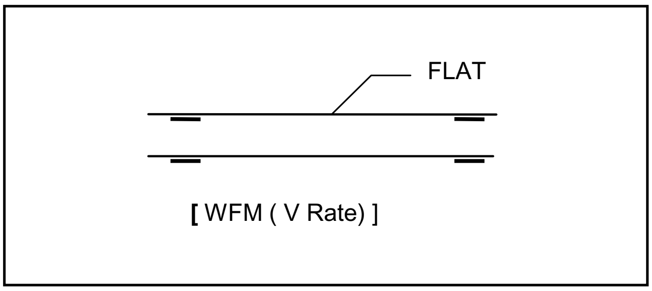
While White Shading is operating * mark is displayed on the EVF.



6-2. Digital Dark Shading Adjustment

BOARD	CAM SYSCON
TP	CAM OUT (75 ohm termination)
ADJUST	EVR
F.NMBER	-
M. EQ.	Monitor TV, WFM
SPEC.	Monitor : No colored WFM : Flat

1. Set WHITE BAL to PRE.
2. Set the EVR as shown below.
   COM:[1E] DATA:[2B] ADR:[00] [Enter]
3. Set the EVR as shown below.
   (Digital Dark Shading Operation)
   COM:[1E] DATA:[2D] ADR:[00] [Enter]
4. Confirm the following items.
   Monitor: No colored in black (should be normal picture)
   WFM: Flat



[WFM (V Rate)]

6-3. Flare Compensate Adjustment

BOARD	CAM SYSCON
TP	VIDEO OUT (75 ohm termination)
ADJUST	EVR
F.NUMBER	See Below
CHART	Flare Chart
M. EQ.	WFM
SPEC.	Black Level : R = G = B

1. Set the **EVR** as shown below.
   COM:[1E] DATA:[27] ADR:[00] [Enter]

2. Set the **WHITE BAL SW** to **A** position and execute **AWB**, **ABB,** and **AWB** again.

<Note>

When operate AWB, connect a Waveform Monitor to the **VIDEO OUT** and set Iris so that the peak level is **80%**.

3. Connect a Waveform Monitor to the **VIDEO OUT** and set Iris so that the peak level is **100%**. Then open the Iris 1.5 stop from the 100% position.
   Ex.) **F11 → F8-1/2 , F11-1/2 → F5.6**

4. Change the R, G and B at the VIDEO OUT by **EVR** and measure the each level

5. Find the lowest level of them and adjust other 2 level so that they are equal to the lowest level.
   The EVR Variable Data range is **00h-64h**,
   The level is not changed over 64h.

R /G / B channel measurement and adjustment

[Rch]

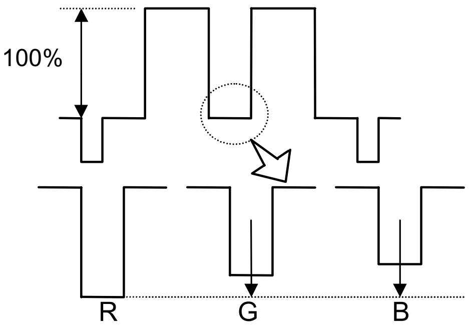
(1) **COM:[1E] DATA:[32] ADR:[00] [Enter]**
(2) **COM:[0E] DATA:[00] ADR:[0B] [Enter]**
(3) Adjust by **[←]/[→].**

[Gch]

(1) **COM:[1E] DATA:[33] ADR:[00] [Enter]**
(2) **COM:[0E] DATA:[00] ADR:[0C] [Enter]**
(3) Adjust by **[←]/[→].**

[Bch]

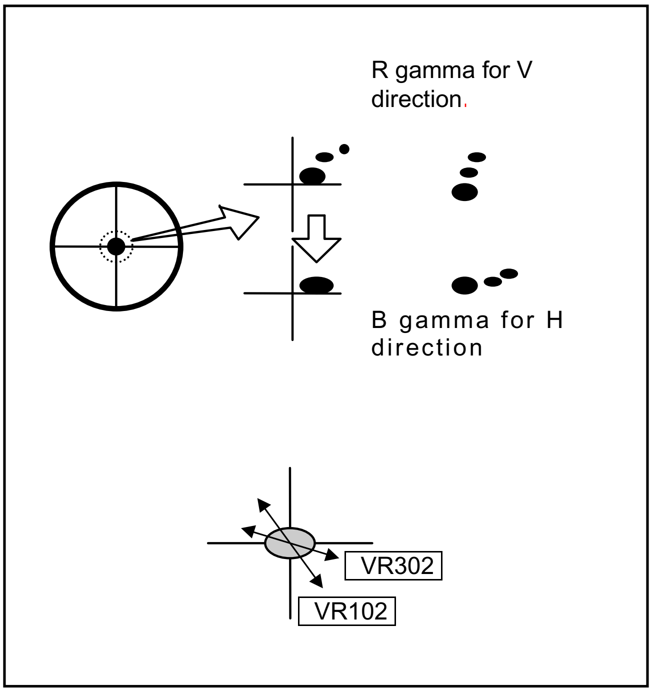
(1) **COM:[1E] DATA:[34] ADR:[00] [Enter]**
(2) **COM:[0E] DATA:[00] ADR:[0D] [Enter]**
(3) Adjust by **[←]/[→].**



Ex.) Rch level is lowest, so adjust G and B levels equal to the Rch level.

6-4. R,B Gamma(1) Adjustment

BOARD	CAM SYSCON, PREAMP
TP	CAM OUT (75 ohm termination)
ADJUST	VR101[R LVL] (PRE AMP) VR301[B LVL] (PRE AMP) EVR
F.NUMBER	See Below
CHART	Gray Scale
M. EQ.	WFM, Vector Scope
SPEC.	Set the vector dots to one dot, then set it on the origin.



1. Set the **EVR** as shown below.
   COM:[1E] DATA:[27] ADR:[00] [Enter]
2. Set the lens extender and Ratio converter to **X1** position.
3. Set the **WHITE BAL SW** to **PRE** and execute **ABB**.
4. Connect a Waveform monitor to the **CAM OUT**, and adjust the Iris so that the peak level is **100%**.
5. Set the SHUTTER SW to 1/1000.
6. Set the lens iris to F11 +/- 1/2
7. If the vector dot is more than one, adjust the **EVR** so that the vector dot is one.

   [R Gamma]
   (1) **COM:[0E] DATA:[80] ADR:[09] [Enter]**
   (2) Adjust EVR by **[←]/[→]**.

   [B Gamma]
   (1) **COM:[0E] DATA:[80] ADR:[0A] [Enter]**
   (2) Adjust EVR by **[←]/[→]**.
   The EVR Variable Data range is **6Ch-94h**,

* Vector Scope, set the Gain is MAX.

8. If the vector dot is not on the origin, adjust **VR101**[R LVL] and **VR301**[B LVL].

If the vector dot is more than one, adjust **item 7** and **8** alternately.

9. Press the HIGH GAIN button and set to 0dB.

6-5. R,B Gamma(2) Adjustment

BOARD	CAM SYSCON, PREAMP
TP	CAM OUT (75 ohm termination)
ADJUST	VR102[R LVL] (PRE AMP) VR302[B LVL] (PRE AMP) EVR
F.NUMBER	See Below
CHART	Gray Scale
M. EQ.	WFM, Vector Scope
SPEC.	Set the vector dots to one dot, then set it on the origin.

1. Set GAIN to H position.
2. Set the **EVR** as shown below.
   COM:[1E] DATA:[47] ADR:[00] [Enter]

3. Set the lens extender and Ratio converter to **X1** position.
4. Set the **WHITE BAL SW** to **PRE** and execute **ABB**.
5. Press HIGH GAIN button and set to 30dB.
6. Connect a Waveform monitor to the **CAM OUT**, and adjust the Iris so that the peak level is **100%**.
7. Set the Camera Recorder switches as shown below.
   SHUTTER : **1/1000**
8. Set the EVR as shown below. (for PAL only)
   COM:[0E] DATA:[6C] ADR:[0A] [Enter]
9. If the vector dot is more than one, adjust **EVR** so that the vector dot is one.

   [R Gamma]
   (1) **COM:[0E] DATA:[80] ADR:[09] [Enter]**
   (2) Adjust EVR by **[←]/[→]**.

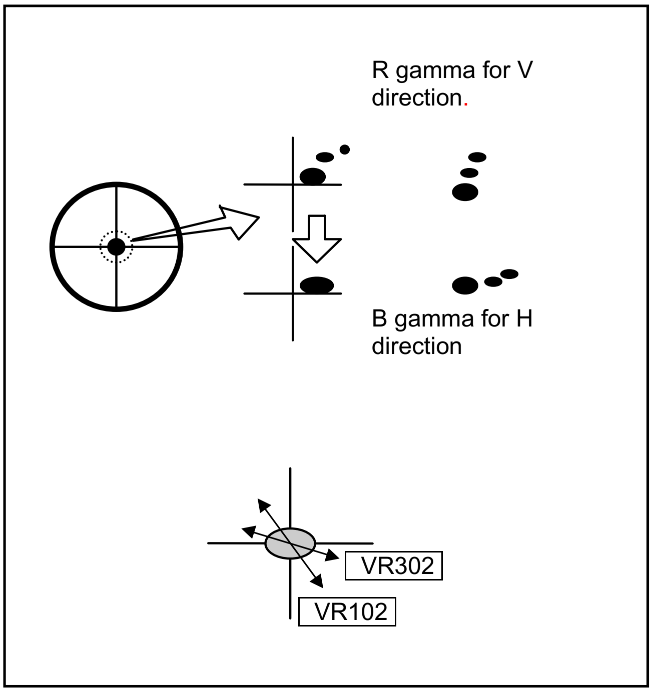
   [B Gamma]
   (1) **COM:[0E] DATA:[6C] ADR:[0A] [Enter]**
   (2) Adjust EVR by **[←]/[→]**.
   The EVR Variable Data range is **6Ch-94h**,

   * Vector Scope, set the Gain is MAX.

10. If the vector dot is not on the origin, adjust **VR102**[R LVL] and **VR302**[B LVL].

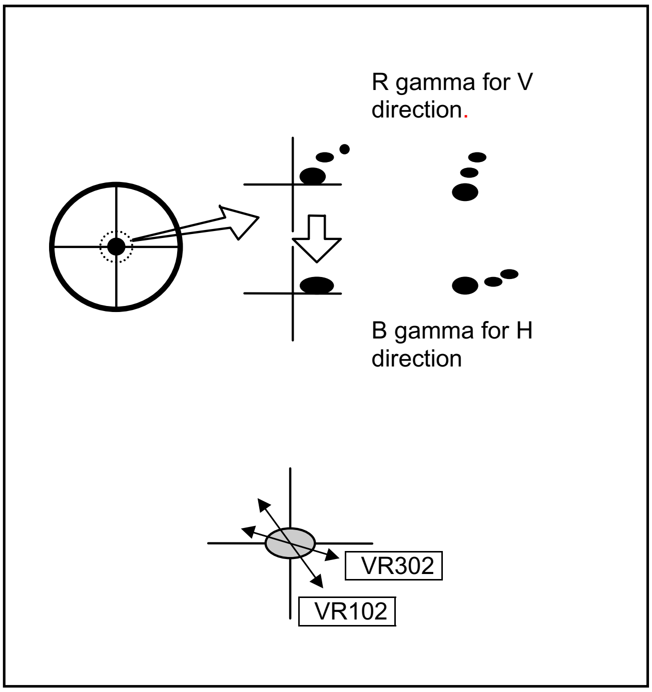
If the vector dot is more than one, adjust **item 9,10** alternately.

11. Press HIGH GAIN button and set to 0dB.



6-6. R,B Gamma(3) Adjustment

BOARD	CAM SYSCON, PREAMP
TP	CAM OUT (75 ohm termination)
ADJUST	VR102[R LVL] (PRE AMP) VR302[B LVL] (PRE AMP) EVR
F.NUMBER	See Below
CHART	Gray Scale
M. EQ.	WFM, Vector Scope
SPEC.	Set the vector dots to one dot, then set it on the origin.



1. Set the **EVR** as shown below.
   COM:[1E] DATA:[27] ADR:[00] [Enter]

2. Set the lens extender and Ratio converter to **X1** position.
3. Set the **WHITE BAL SW** to **PRE** and execute **ABB**.
4. Connect a Waveform monitor to the **CAM OUT**, and adjust the Iris so that the peak level is **100%**.
5. Set the Camera Recorder switches as shown below.
   SHUTTER : **1/1000**
   GAIN : **+36dB**

6. If the vector dot is more than one, adjust the **EVR** so that the vector dot is one.

   [R Gamma]
   (1) **COM:[0E] DATA:[80] ADR:[09] [Enter]**
   (2) Adjust EVR by **[←]/[→]**.

   [B Gamma]
   (1) **COM:[0E] DATA:[80] ADR:[0A] [Enter]**
   (2) Adjust EVR by **[←]/[→]**.

* Vector Scope, set the Gain is MAX.

7. If the vector dot is not on the origin, adjust **VR102**[R LVL] and **VR302**[B LVL].

If the vector dot is more than one, adjust **item 6** and **7** alternately.

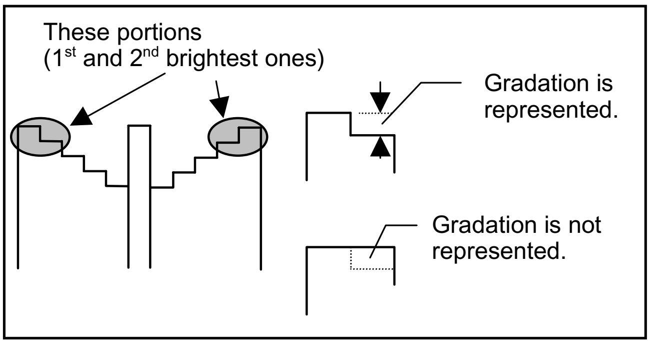
8. Press the HIGH GAIN button and set to 0dB.

6-7. Dynamic Range (Auto Knee) Adjustment

BOARD	CAM SYSCON, PREAMP
TP	CAM OUT (75 ohm termination)
ADJUST	Service Adj. 2/2 In the Service Menu
F.NUMBER	See Below
CHART	Gray Scale
M. EQ.	WFM, Vector Scope
SPEC.	See below

Note : Set the WFM Monitor as follows.
RESPONSE = LUM, GAIN = X5

1. Set the EVR as follows.
   COM : [1E] DATA : [3A] ADR : [00] [Enter]
   (White Clip level set to 110%)
2. Set the **WHITE BAL SW** from **PRST** to **A**.
3. Shoot the Gray Scale chart and adjust the zoom position so that the both ends of Gray Scale are fitted to the both ends of the monitor screen.
4. Adjust the iris so that the white peak level of Gray Scale is 80%, and execute **AWB**.
5. Execute **ABB**, then perform the step 4 again.
6. Adjust the iris so that the level is 100% at the CAM OUT, and confirm the value of F-number.
7. Set the iris to F5.6. And set the aspect ratio to 4:3 mode.
8. Open the page of the SERVICE ADJ 2/2 in the service menu.
9. Adjust **R GAMMA (4)** of SERVICE ADJ 2/2 so that the brightest portion (100% WHITE) of Gray Scale is 103 – 104%.
10. Set the iris to “open”.
11. Decrease the value of **B GAMMA (4)**. When the value of **B GAMMA (4)** is decreased, the signal level also decreases. When the value of **B GAMMA (4)** reaches a certain value, the signal level does not decrease any more even if the value of **B GAMMA (4)** is decreased. Confirm the value of **B GAMMA (4)** when the signal level just stop decreasing. Fix the value of **B GAMMA (4)** to that value.
12. Set the iris so that the signal level is 100%.
13. Set the EVR as follows.
    COM : [1E] DATA : [3B] ADR : [00] [Enter]
    (White Clip level set to 105%)
14. Open the iris slowly from F11 and adjust **R GAMMA (4)** of the SERVICE ADJ 2/2 so that the Auto Knee function is started from 104%-105% video level.
15. Open the iris slowly from close position. Confirm that peak level of white portion is 104%(+1% -0.5%) during Auto Knee function is working. If it is not, adjust **R GAMMA (4)**. If **R GAMMA (4)** is adjusted again, go back to previous step and adjust **R GAMMA (4)** until both conditions is cleared.
16. If it is not cleared both step14 and 15, adjust KNEE GAIN so that white peak level is 104%(+1% -0.5%).
17. Repeat the steps 14 – 16 until the gradation falls into being represented no more. And confirm the value of F-number. (Repeat of the steps 14-16 must be ended at step 15 or 16.)
18. Compare the F-number at the above step 6 with that confirmed at the step 17, and confirm that the difference of F-number is more than 2 stops.
19. Set the EVR as follows.
    COM : [1E] DATA : [3A] ADR : [00] [Enter]
    (White Clip level set to 110%)
20. Adjust **B GAMMA (4)** of SERVICE ADJ 2/2 so that the brightest portion (100% WHITE) of Gray Scale is 110%.
21. Confirm that the graduation is represented at the range of F-numbers from F11 to the F-number confirmed at the above step 17. If it is not, repeat all steps again.


These portions
(1st and 2nd brightest ones)
Gradation is represented.
Gradation is not represented.

7. SERVO

7-1. Reel Torque Offset Adjustment

BOARD	SERVO
TP	TP301[S], TP302[T] TG300[GND] TP116[5V], TP505, Sensor LED
ADJUST	VR502[S], VR501[T]
MODE	PLAY
TAPE	-
M. EQ.	DVM
SPEC.	20mV +/- 2mV

1. Confirm the power of Camera Recorder is OFF and shorten **TP116** and **TP505**.
2. Turn the power ON, then cover the cassette tape detection LED by black tube, and make a loading without a cassette.
3. Pinch and Hold the S reel and make PLAY mode.
4. Connect a DVM to **TP301[S]** and adjust **VR502[S]** so that the voltage is in the specification.
5. Connect a DVM to **TP302[T]** and adjust **VR501[T]** so that the voltage is in the specification.
6. Turn the power OFF after adjustment, and remove the short pin and the black tube.

<Note>
Please prepare the black tube locally.

7-2. Tension Offset Adjustment

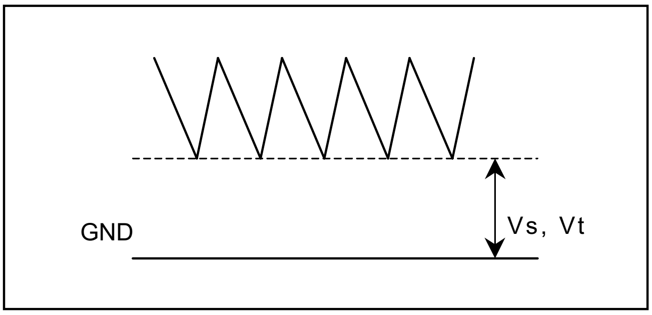
BOARD	SERVO
TP	TP402
ADJUST	VR402
MODE	EJECT
TAPE	-
M. EQ.	DVM
SPEC.	2.5V +/- 0.1V

1. Connect a DVM to **TP402** and adjust **VR402** so that the voltage is in the specification.

7-3. Tape End Detect Level Confirmation

BOARD	SERVO
TP	TP503(P620-9pin) TP504(P620-12pin)
ADJUST	VR503, VR504
MODE	-
TAPE	VFK1423(Tape End Detect Adjustment Cassette)
M. EQ.	Oscilloscope
SPEC.	Vs, Vt = 3.2V+/-0.8V

1. Insert an adjustment cassette **VFK1423** .
   This cassette can insert same as a normal cassette.
2. Connect a scope to **TP503[Vs]** and adjust **VR503** so that the voltage is in the specification.
3. Connect a scope to **TP504[Vt]** and adjust **VR504** so that the voltage is in the specification.

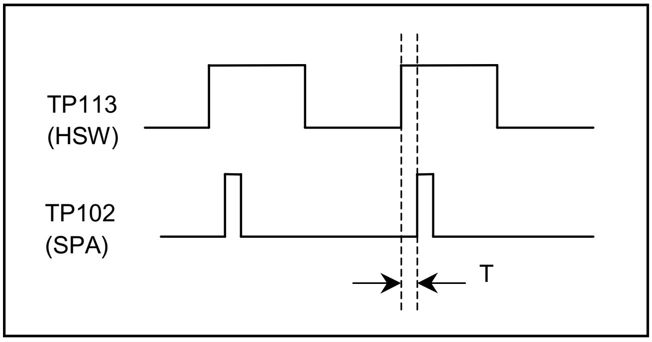


7-4. PG Shifter (1) Adjustment

BOARD	SERVO
TP	TP102[SPA], TP113[HSW]
ADJUST	VR102
MODE	50M / PLAY
TAPE	NTSC: VFM3580KM PAL : VFM3680KM
M. EQ.	Oscilloscope
SPEC.	T = 126.69uS +/- 2.5uS

1. MENU Setting
   PAGE: MAIN FUNCTION:
   PB MODE : 50M
2. Playback an alignment tape.
3. Connect a scope to **TP102** and adjust **VR102** so that the timing is in the specification.

Use TP113 as trigger.

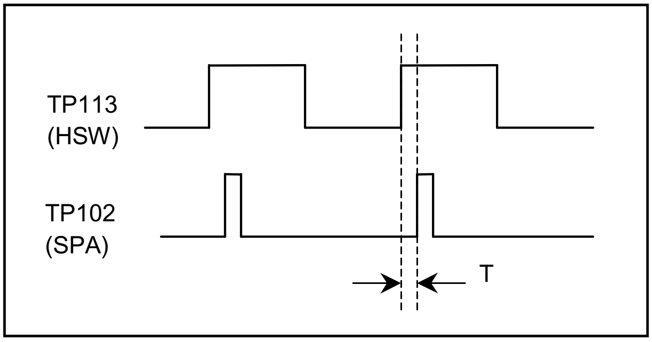


7-5. PG Shifter (2) Adjustment

BOARD	SERVO
TP	TP102[SPA], TP113[HSW]
ADJUST	VR102
MODE	25M / PLAY
TAPE	NTSC: VFM3580KM PAL : VFM3680KM
M. EQ.	Oscilloscope
SPEC.	T = 253.39uS +/- 2.5uS

1. MENU Setting
   PAGE: MAIN FUNCTION:
   PB MODE : 25M
2. Playback an alignment tape.
3. Connect a scope to **TP102** and adjust **VR102** so that the timing is in the specification.

Use TP113 as trigger.



8. VIDEO I/F (1)

8-1 PLL POS Adjustment

BOARD	VIDEO I/F
TP	TP101[HWIN], TP102[HP]
ADJUST	EVR
INPUT	CAMERA (Color Bar)
MODE	EE
TAPE	-
M. EQ.	Oscilloscope
SPEC.	B = A+/-10%

Menu Setting

1. While pressing **[SHIFT]**, **[+]**, and **[-]** keys and set **[MENU]** sw to SET.

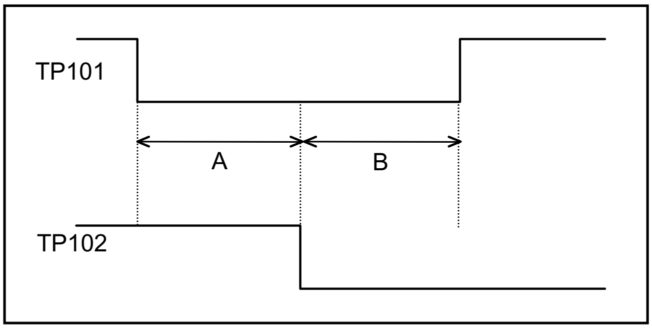
2. Set the Menu as shown below.

PAGE: SERVICE ADJ.
ECU CONNECT : **EVR**
IF ADJ. : **OFF**

EVR Setting

3. Set the EVR to **COM:[02] DATA:[75] ADR:[1B].**

4. Connect a scope to **TP101** and **TP102** and adjust the EVR so that the ratio of A and B is in the specification by EVR **[←]/[→]**.



8-2. INH_POS Adjustment

BOARD	VIDEO I/F
TP	TP301[ODD_EVN], TP303[CLK]
ADJUST	VR501[INH POS]
INPUT	CAMERA (Color Bar)
MODE	EE
TAPE	-
M. EQ.	Oscilloscope
SPEC.	A = 0+/-10nS

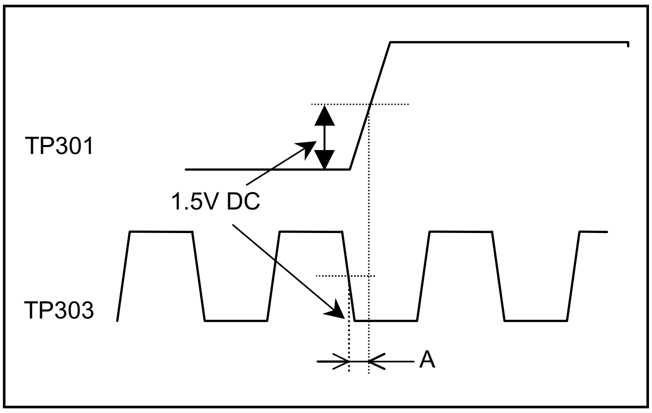
Menu Setting

1. While pressing **[SHIFT]**, **[+]**, and **[-]** keys and set **[MENU]** sw to SET.

2. Set the Menu as shown below.

PAGE: SERVICE ADJ.
IF ADJ. : **OFF**

3. Adjust **VR501** so that the 1.5VDC position of rising edge of TP301 and 1.5VDC position of falling edge of TP303 are in the specification.



8-3. PB Timing Adjustment

BOARD	VIDEO I/F
TP	TP501[AD_Y], TP502[AD_PB]
ADJUST	VR403[PB_TMG]
INPUT	CAMERA (Color Bar) SMPTE Color Bar
MODE	EE
TAPE	-
M. EQ.	Oscilloscope
SPEC.	A =+/-20nS (CAMERA) A =+/-50nS (VIDEO IN)

Menu Setting

1. While pressing **[SHIFT]**, **[+]**, and **[-]** keys and set **[MENU]** sw to SET.

2. Set the Menu as shown below.

PAGE: SERVICE ADJ.
IF ADJ. : **OFF**

3. Adjust **VR403** so that the phase difference A between **TP501** and **TP502** is 0 +/- 20 nS.

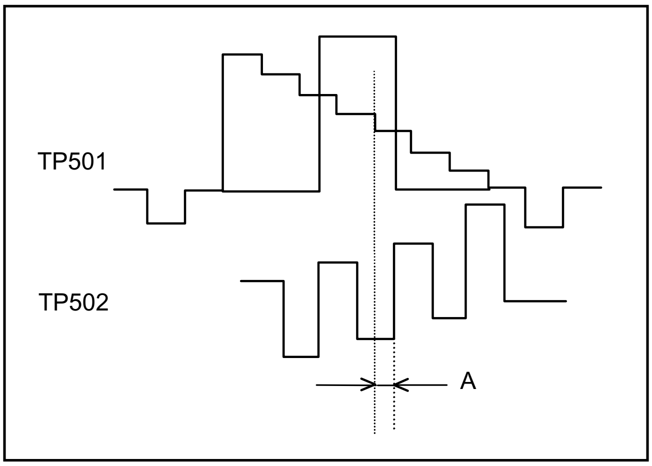
Following Steps are for NTSC Model only.

4. Set the Menu as shown below.

PAGE: MAIN FUNCTION
REC SIGNAL : **VIDEO**

5. Supply a SMPTE Color Bar to Video IN.

6. Confirm that the phase difference A is 0 +/- 50 nS.



8-4. PR Timing Adjustment

BOARD	VIDEO I/F
TP	TP501[AD_Y], TP503[AD_PR]
ADJUST	VR406[PR_TMG]
INPUT	CAMERA (Color Bar) SMPTE Color Bar
MODE	EE
TAPE	-
M. EQ.	Oscilloscope
SPEC.	A =+/-20nS (CAMERA) A =+/-50nS (VIDEO IN)

Menu Setting

1. While pressing **[SHIFT]**, **[+]**, and **[-]** keys and set **[MENU]** sw to SET.

2. Set the Menu as shown below.

PAGE: SERVICE ADJ.
IF ADJ. : **OFF**

3. Adjust **VR406** so that the phase difference A between **TP501** and **TP503** is 0 +/- 20 nS.

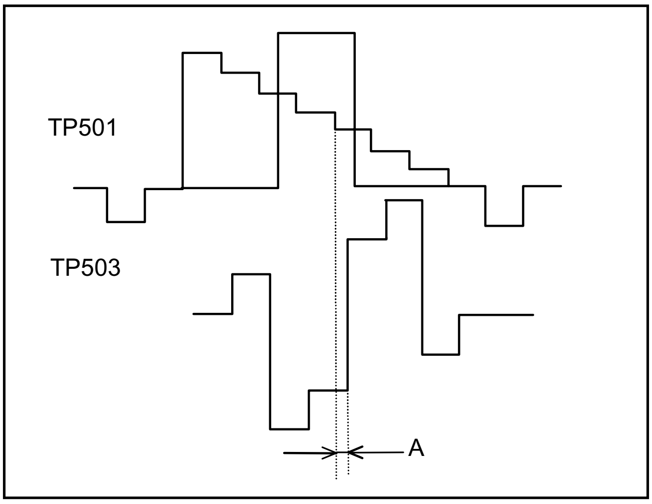
Following Steps are for NTSC Model only.

4. Set the Menu as shown below.

PAGE: MAIN FUNCTION
REC SIGNAL : **VIDEO**

5. Supply a SMPTE Color Bar to Video IN.

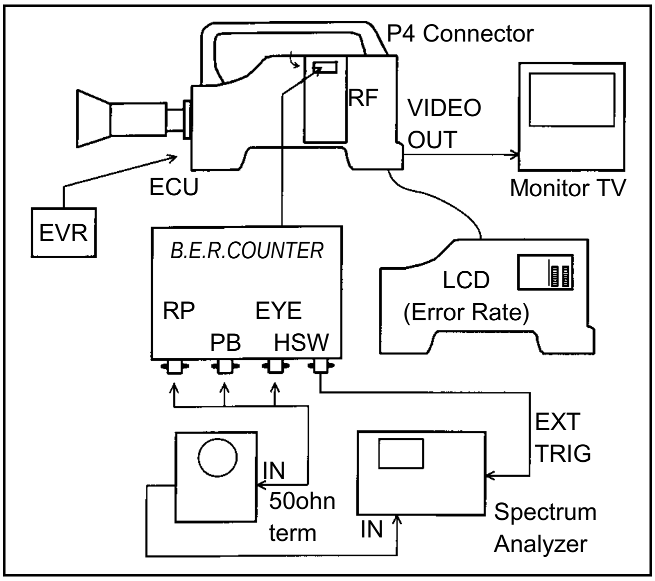
6. Confirm that the phase difference A is 0 +/- 50 nS.



9. RF ADJUSTMENT (1) (Manual Adjustment)

9-1. System hookup and settings.

1. Connect the Camera recorder with the RF adjustment system as shown below.


P4 Connector
RF
VIDEO OUT
ECU
Monitor TV
EVR
B.E.R.COUNTER
RP
EYE
PB
HSW
LCD
(Error Rate)
EXT TRIG
IN
50ohn term
IN
Spectrum Analyzer

9-2. MENU SETTING

While pressing **[SHIFT]**, **[+]**, and **[-]** keys and set **[MENU]** sw to SET.

<DESIGN>
DESIGN : BER_ADJ
: BER_SPEED
: ENV_DET_ADJ

<SERVICE>
SERVICE ADJ 1/2 : ECU_CONNECT
: CONCEAL
: INNER_ECC
: OUTER_ECC
: SERVO_MODE

VTR D/A DATA

Note

The adjustment value for BER_ADJ, BER_SPEED, ENV_DET_ADJ are returned to original when the camera recorder is turned OFF.

9-3. Notes

<EVR Adjustment>

1. When adjustment is done with EVR while MENU is ON:
   Set the MENU off to store the EVR data before power off. If power is turned off while MENU is ON, the stored EVR data is erased.
2. When adjustment is done with EVR while MENU is OFF.
   Set MENU ON and set MENU OFF to store the EVR data before power off. If power is turned off without this operation the stored data is erased.

<Blank Tape>

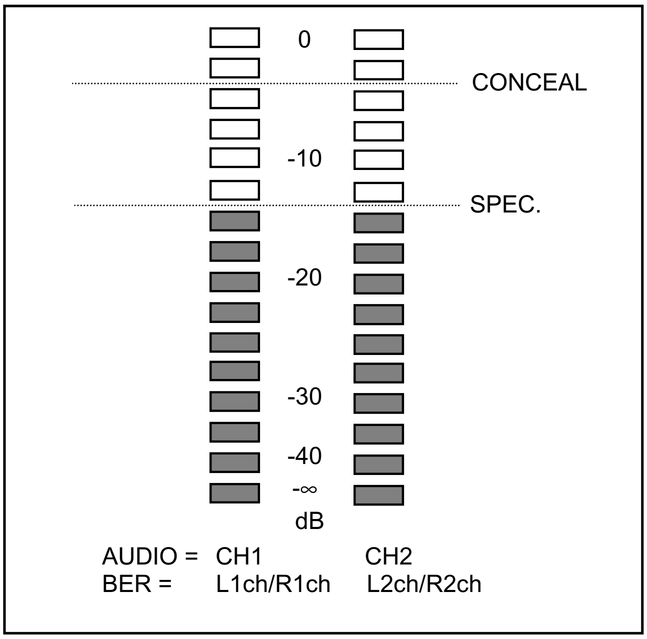
Do not use the blank tape which is recorded by the VTR without PG Shifter adjustment.

9-4. BYTE ERROR DISPLAY

1. This model equipped a Byte Error Rates Display function.
2. To execute the Byte Error rate display function, set to the “DESIGN MENU” as shown below.

   PAGE: DESIGN
   BER ADJ : ON

3. See figure below for error rate specification.


0
CONCEAL
-10
SPEC.
-20
-30
-40
-∞
dB
AUDIO = CH1 CH2
BER = L1ch/R1ch L2ch/R2ch

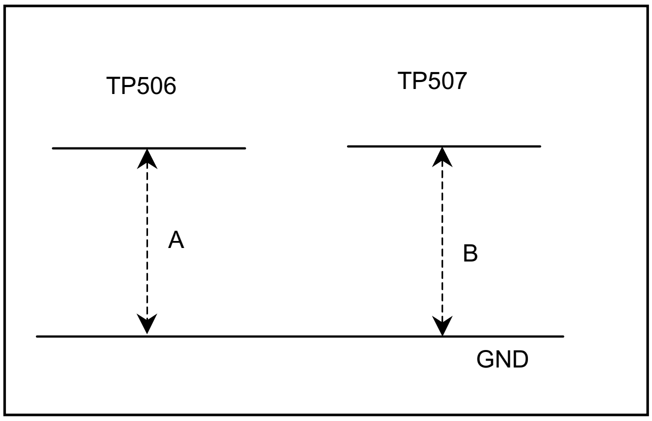
9-5. PLL VCO Adjustment

BOARD	RF
TP	TP506, TP507
ADJUST	EVR
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Oscilloscope
SPEC.	A = B

EVR Setting

1. Set the EVR as shown below.
   COM:[02] DATA:[80] ADR:[0B] [Enter]

2. Connect a scope to **TP506** and **TP507** in the DC mode.
3. Press the [←] or [→] key of the EVR so that the levels A and B are the same.



Note:
Adjust each level with noise center.

9-6. Confirmation of Playback

BOARD	RF
TP	VIDEO OUT
ADJUST	-
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	TV Monitor
SPEC.	Normal Picture

Menu setting

1. Press **[SHIFT], [+]** and **[-]** buttons, and set the MENU switch to SET position.

2. Menu Setting

PAGE: <SERVICE>
SERVICE ADJ 1/2
ECU_CONNECT : EVR
CONCEAL : OFF
INNER_ECC : OFF
OUTER_ECC : OFF

3. Connect a Monitor TV to the VIDEO OUT and playback an alignment tape.

4. Confirm that the monitor screen is normal picture.

10. VIDEO MAIN

10-1. AUDIO_VCO Adjustment

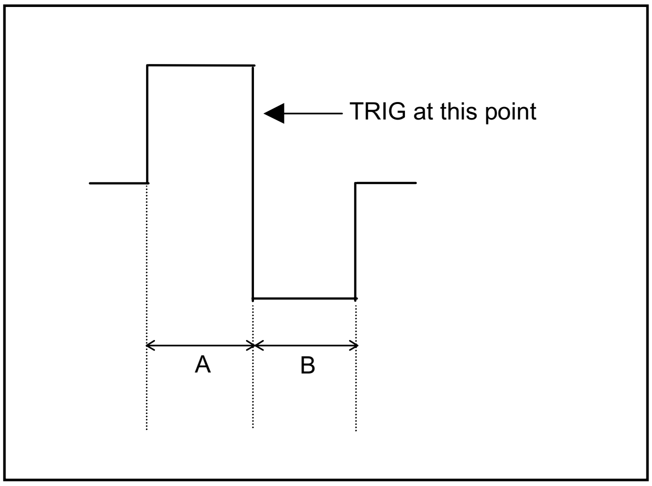
BOARD	VIDEO _MAIN, RF
TP	TP1[DET] (RF)
ADJUST	EVR
INPUT	Internal Color Bar
MODE	EE
TAPE	-
M. EQ.	Oscilloscope
SPEC.	A = B+/-5%

Menu Setting

1. While pressing the keys **[SHIFT], [+]**, and **[-]** on the operation panel and set the **[MENU]** switch to SET.
2. Set the menu as shown below.
   PAGE: SERVICE ADJ 1/2.
   ECU CONNECT : **EVR**

EVR Setting

3. Set the EVR as shown below.
   COM:[02] DATA:[80] ADR:[04]
4. Connect a scope to **TP1** and adjust **EVR** so that the width A and B are the same by **[←]/[→].**
5. Close the Menu.



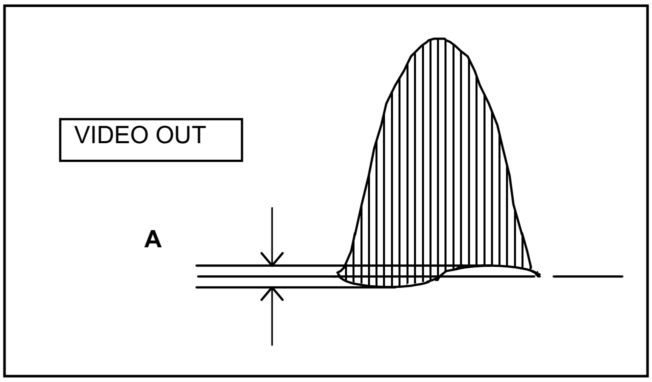
10-2. Y/C Timing Confirmation

BOARD	VIDEO _MAIN
TP	VIDEO OUT
ADJUST	DESIGN MENU
INPUT	-
MODE	25M / PLAY
TAPE	VFM3580KM (PULSE & BAR) VFM3680KM (PULSE & BAR)
M. EQ.	Oscilloscope
SPEC.	A = Minimum Level (flat)

Menu Setting

1. While pressing the keys **[SHIFT], [+]**, and **[-]** on the operation panel and set the **[MENU]** switch to SET.
2. Set the menu as shown below.
   PAGE: REC (ASPECT)/PB/RET:
   PB MODE : 25M
   PAGE: DESIGN
   LUMA DELAY : **0/ 1/ 2/ 3**

3. Playback an alignment tape (PULSE & BAR).
4. Connect a scope to the **VIDEO OUT** and set **[DESIGN MENU]** so that the level A is minimum.
5. Close the menu.



11. VIDEO I/F (2)

11-1. CAMERA IN Vector Adjustment

BOARD	VIDEO I/F
TP	VIDEO OUT
ADJUST	EVR VR404[PB_LEV] VR407[PR_LEV]
INPUT	CAMERA (Color bar)
MODE	EE
TAPE	-
M. EQ.	Vector Scope
SPEC.	*Center of the vector is on the origin of vector scope and A=7mV or less. *Each color is in the inner box

Menu Setting

1. While pressing **[SHIFT], [+],** and **[-]** button and set the MENU switch to **SET**.

2. Set the Menu as shown below.

PAGE: SERVICE ADJ. 1/2
ECU CONNECT : **EVR**
IF ADJ. : **ON**
PAGE: KNEE/LEVEL (NTSC only)
SET UP 50/25 : 7.5%

EVR Setting

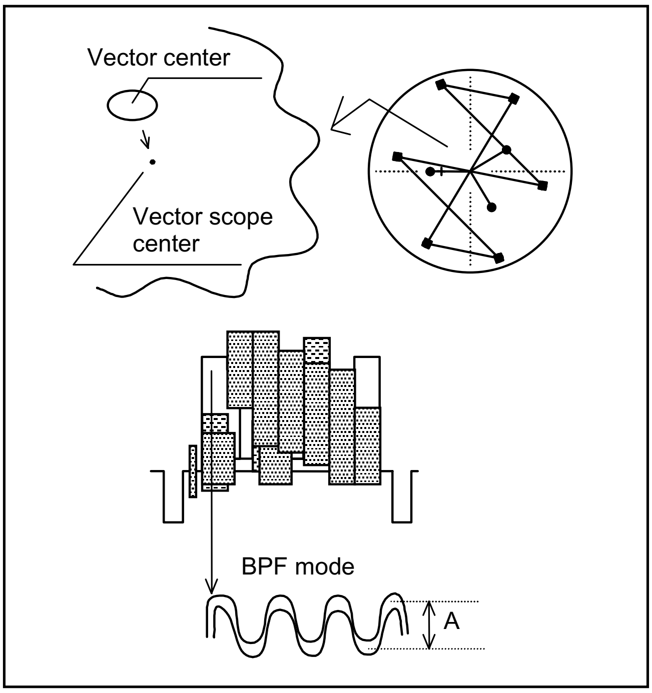
3. Set the EVR as shown below.
   [PB] COM:[02] DATA:[63] ADR:[12]
   [PR] COM:[02] DATA:[63] ADR:[13]

4. Connect a vector scope to the **VIDEO OUT**, and adjust **VR404**,**VR407** and **EVR [←]/[→]** so that the vector center is on the origin of the vector scope and level is **A=7mV** or less.

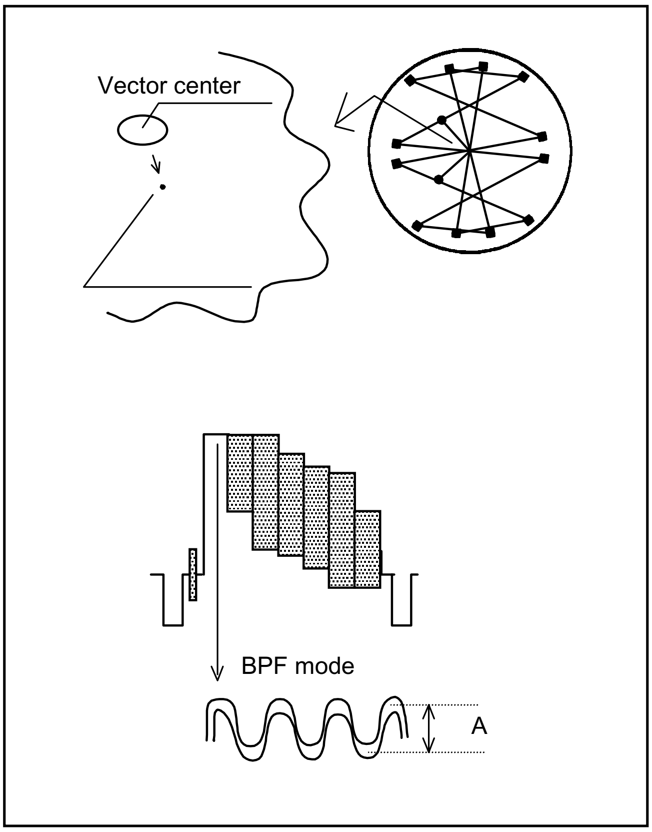
<Note>

1. Confirm that the master playback vector confirmation (VIDEO MAIN) is completed.
2. When adjust confirm that the CAMERA BAR SET UP is 7.5% or 0% and VIDEO Encoder SET UP is OFF. (NTSC Only)
3. Do not use the extension board. If the adjustment is wrong repeat the above adjustments.

<NTSC>



<PAL>



11-2. Y CLAMP DC Confirmation

BOARD	VIDEO I/F
TP	VIDEO OUT
ADJUST	EVR
INPUT	CAMERA (Color Bar)
MODE	EE
TAPE	-
M. EQ.	WFM
SPEC.	A = 0 +/- 5mVp-p

Menu Setting

1. While pressing **[SHIFT], [+],** and **[-]** button and set the MENU switch to **SET**.

2. Set the Menu as shown below.

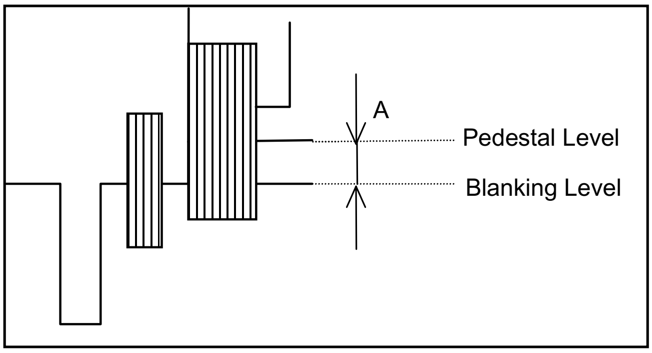
PAGE: SERVICE ADJ. 1/2
ECU CONNECT : **EVR**
IF ADJ. : **ON**

EVR Setting

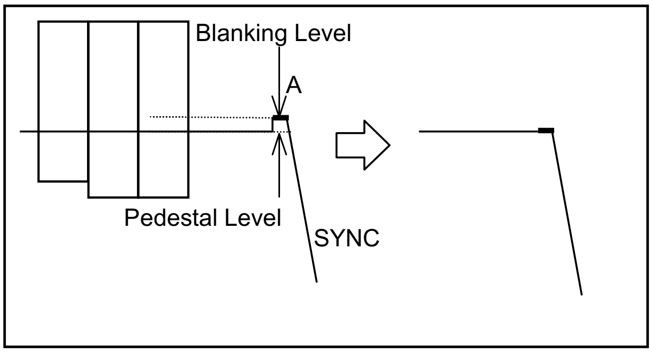
3. Set the EVR to **COM:[02] DATA:[69] ADR:[11]**.

4. Connect a Waveform monitor to the **VIDEO OUT** and adjust **EVR [←]/[→]** so that the blanking level and pedestal level is the same.

<NTSC>



<PAL>



<Note>

Expand the waveform level and confirm the above adjustment. If it is out of specification, repeat the adjustment.

11-3. Y Level Adjustment

BOARD	VIDEO I/F
TP	VIDEO OUT
ADJUST	VR401[Y_LEV]
INPUT	CAMERA (Color Bar)
MODE	EE
TAPE	-
M. EQ.	WFM
SPEC.	A = 1.0V +/- 0.02Vp-p

Menu Setting

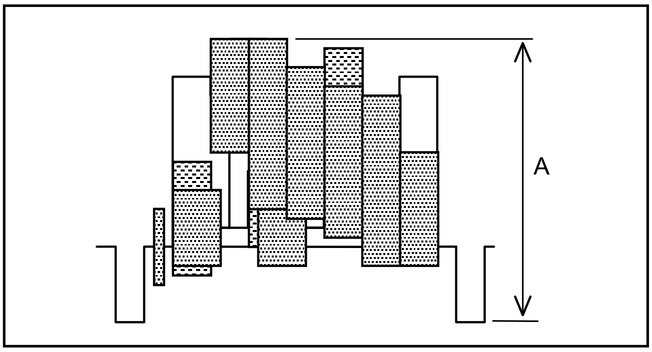
1. While pressing **[SHIFT], [+],** and **[-]** button and set the MENU switch to **SET**.

2. Set the Menu as shown below.

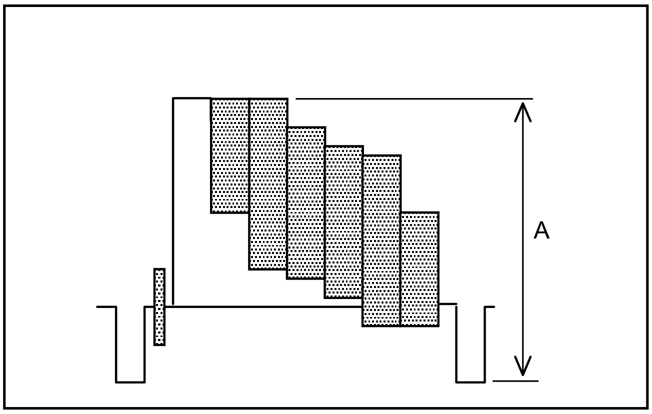
PAGE: SERVICE ADJ. 1/2
IF ADJ. : **ON**

3. Connect a Waveform and adjust **VR401** so that the level **A** is in the specification.

<NTSC>



<PAL>



12. RF ADJUSTMENT (2) (Manual Adjustment)

12-1. MENU SETTING

1. Press **[SHIFT]**, **[+]**, and **[-]** keys and set **[MENU]** SW to **SET** side.

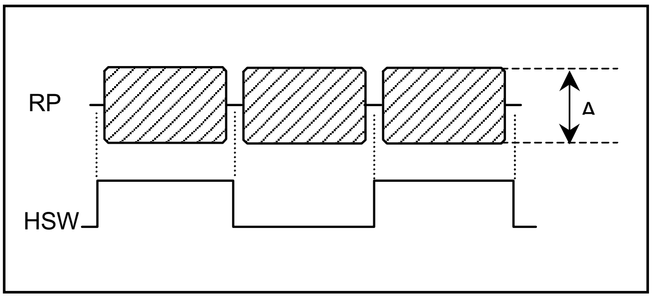
SERVICE ADJ 1/2
SERVO MODE : ATF
CONCEAL : OFF
INNER_ECC : OFF
OUTER_ECC : OFF

12-2. R/P Envelope Level Confirmation

BOARD	RF
TP	R/P ENV (50 ohm terminated)
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Oscilloscope
SPEC.	A ≥ 70mVp-p R/P Envelope is Flat

1. Playback an alignment tape.

2. Connect an B.E.R. counter cable P4 and confirm that the envelope is flat.



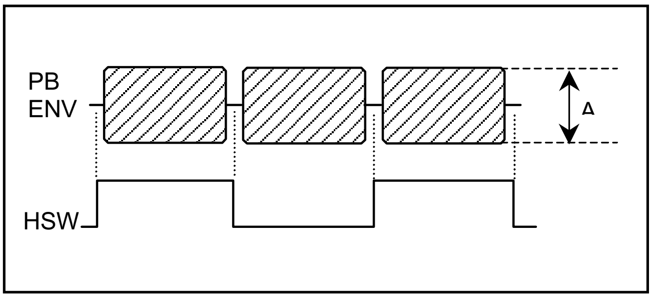
12-3. PB Envelope Pre-Level Adjustment

BOARD	RF
TP	PB ENV (50 ohm terminated)
ADJUST	Lch :VR400[PB.L] Rch :VR401[PB.R]
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Oscilloscope
SPEC.	A = 100mV+/-10mV PB Envelope is Flat

1. Connect a B.E.R. counter cable to connector P4.

2. Playback an alignment Tape.

3. Connect a scope to the PB ENV and adjust VR400, VR401 so that the envelope is flat.



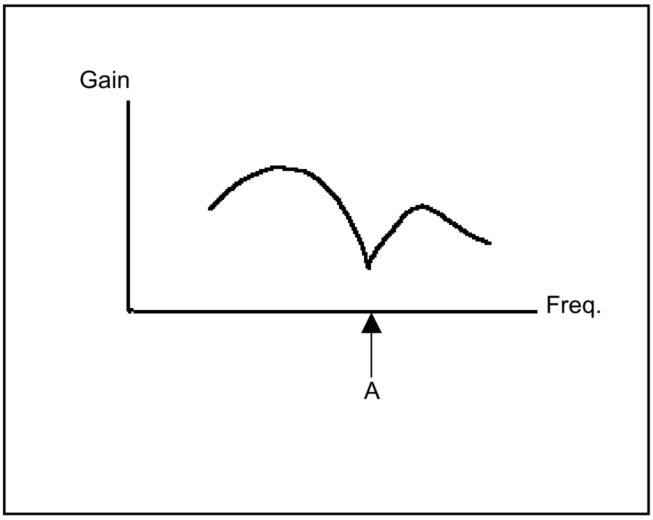
12-4. 1+D Adjustment

BOARD	RF
TP	EYE PAT (50 ohm terminated) HSW (Trigger)
ADJUST	EVR
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Spectrum Analyzer, EVR
SPEC.	A = 20.93MHz +/-0.1MHz

EVR Setting

COM:[02] DATA:[C4] ADR:[0E] (EQ_DL)

1. Connect a B.E.R. counter cable to P4.
2. Playback an alignment Tape.
3. Connect a Spectrum Analyzer to EYE PAT, and adjust EVR(EQ_DL) by **[←]/[→]** keys so that the Notch part frequency is in the specification.



*If it is out of specification, set the EVR data to "00" and repeat the above adjustment.

<Spectrum Analyzer Setting>

Center Freq.	:	20.93MHz
Span	:	10MHz
dB/DIV	:	5dB/DIV
RBW	:	100kHz
VBW	:	300Hz

12-5. Playback Error Rate Adjustment

BOARD	RF
TP	VIDEO OUT LCD (Error rate Display)
ADJUST	EVR
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Monitor TV
SPEC.	Error counter : 10 Bars or less

Menu Setting

PAGE: DESIGN
BER_ADJ : Rch
BER_SPEED : FAST
PAGE: SERVICE ADJ
OUTER_ECC : OFF

EVR Setting

COM:[02] DATA:[90] ADR:[07] (EQ α L)
COM:[02] DATA:[90] ADR:[08] (EQ α R)
COM:[02] DATA:[35] ADR:[09] (EQ β L)
COM:[02] DATA:[35] ADR:[0A] (EQ β R)
COM:[02] DATA:[66] ADR:[0D] (PLL SL)
COM:[02] DATA:[9E] ADR:[0F] (PLL POS.)
COM:[02] DATA:[CC] ADR:[10] (AUTO EQ)

1. Playback an alignment Tape.

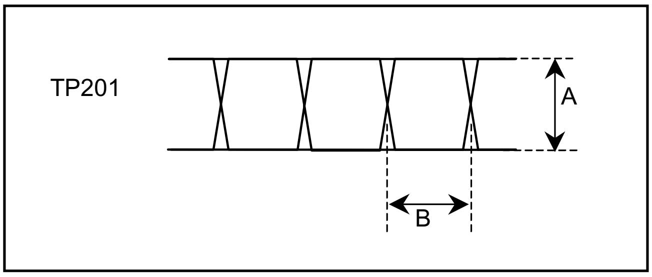
2. Connect VIDEO OUT to a monitor TV and adjust PLL_SL / PLL_POS. / EQ_α_L / EQ_α_R / EQ_β_L / EQ_β_R by EVR **[←]/[→]** key so that the error rate is minimum on the monitor TV and LCD error rate meter. Repeat this adjustment until the error rate is in the specification.
   *Refer to 9-4. BYTE ERROR DISPLAY for LCD display reading.

13. RF ADJUSTMENT (3) (Manual Adjustment)

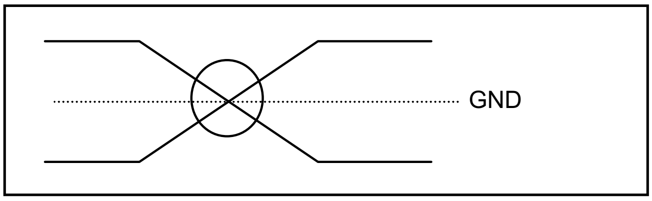
13-1. HSE Input Confirmation and Adjustment

BOARD	RF
TP	TP201[RECDATA]
ADJUST	VR200[DUTY]
MODE	REC
INPUT	Internal Color Bar
TAPE	Blank Tape
M. EQ.	Oscilloscope
SPEC.	A=1.3±0.2Vp-p, B=24±1nS

1. Record a color bar signal on the Blank Tape.
2. Connect a scope to **TP201** and confirm the level and timing are in the specification.



3. Record a color bar signal in the Blank Tape.
4. Expand the oscilloscope and set AC mode. Then adjust **VR201** so that the cross point of rising and falling waveform is on the ground level.



13-2. Adjustment Setting

Set the spectrum analyzer as shown below.

Spectrum Analyzer Setting

START FREQ : 0MHz
STOP FREQ : 25MHz
RES BW : 1MHz
VIDEO BW : 1KHz
SWEEP TIME : 100mS
dB/div : 2dB
REF LEVEL : -33dB
ATTEN : 10dB
TRIGGER : EXT

13-3. Recording Current and Frequency Characteristic Adjustment

BOARD	RF
TP	PB ENV (50 ohm terminated) HSW (Trigger)
ADJUST	EVR
INPUT	Internal Color Bar
MODE	PLAY, REC
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL) Blank Tape
M. EQ.	Oscilloscope, Spectrum Analyzer
SPEC.	As shown below

Spectrum Analyzer Setting

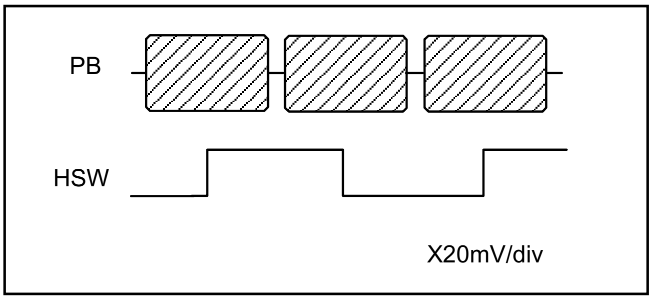
Refer to 13-2. Adjustment Setting.

EVR Setting

COM:[02] DATA:[BB] ADR:[1E] (REC_FRE. L)
COM:[02] DATA:[BB] ADR:[1F] (REC_FRE. R)
COM:[02] DATA:[80] ADR:[20] (REC_CUR. L)
COM:[02] DATA:[80] ADR:[21] (REC_CUR. R)

1. Playback an alignment Tape and observe HSW and PB ENV (50ohm termination).

* Observe PB ENV by an Oscilloscope and supply HSW to a Spectrum Analyzer.



2. Supply PB ENV signal to a Spectrum Analyzer and set 30 times averaging mode then save in the TRACE B.
3. Eject the alignment Tape and insert a Blank Tape and record a signal.
4. Release the averaging mode and change to TRACE A mode. Observe the recording envelope signal on the Spectrum Analyzer. (No averaging)
5. Set the EVR as shown below.
   CMD :[02] DATA :[80] ADR :[20] (REC CUR L)
   CMD :[02] DATA :[80] ADR :[21] (REC CUR R)

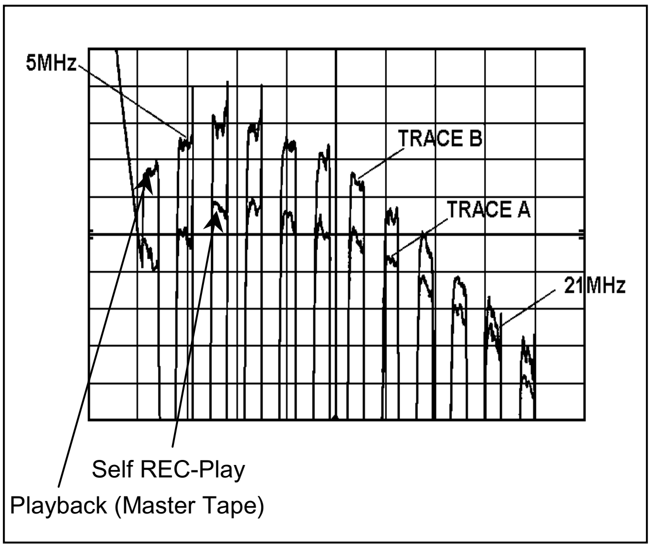
   Press the [→] or [←] key in EVR so that the level of confidence PB at 5MHz is 4dB lower than that of TRACE B.

6. Set the EVR as shown below.
   CMD :[02] DATA :[BB] ADR :[1E] (REC FRE L)
   CMD :[02] DATA :[BB] ADR :[1F] (REC FRE R)
   Press the [←] key in EVR until the level at 20MHz is maximized first. (Each adjustment for REC FRE L and REC FRE R)
7. Set the EVR to **REC CUR L** mode.
   CMD :[02] DATA :[80] ADR :[20] (REC CUR L)
   CMD :[02] DATA :[80] ADR :[21] (REC CUR R)
   Press the [→] or [←] so that the level at 5MHz is the same as TRACE B. (Each adjustment for REC CUR L and REC CUR R)

<Note>

If the level of PB part at 0-20MHz is lower than TRACE B, adjust the **[REC CUR L]** so that the spectrum of PB part is a similar figure to TRACE B in the range less than 20MHz.

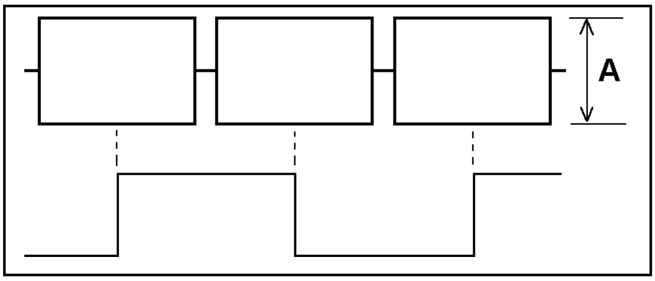
If the level of PB part at 20MHz is higher than TRACE B, adjust so that the level of confidence PB around 5MHz is the same as TRACE B regardless of similarity.



13-4. Confidence PB Adjustment

BOARD	RF
TP	PB ENV, HSW(B.E.R.COUNTER) (50Ωterminated)
ADJUST	VR400(PB L), VR401(PB R)
MODE	REC
TAPE	Blank Tape
M. EQ.	Oscilloscope

1. Adjust the **VR400** and **VR401** so that the level A is within specification in confidence PB



14. RF AUTO ADJUSTMENT PROCEDURES

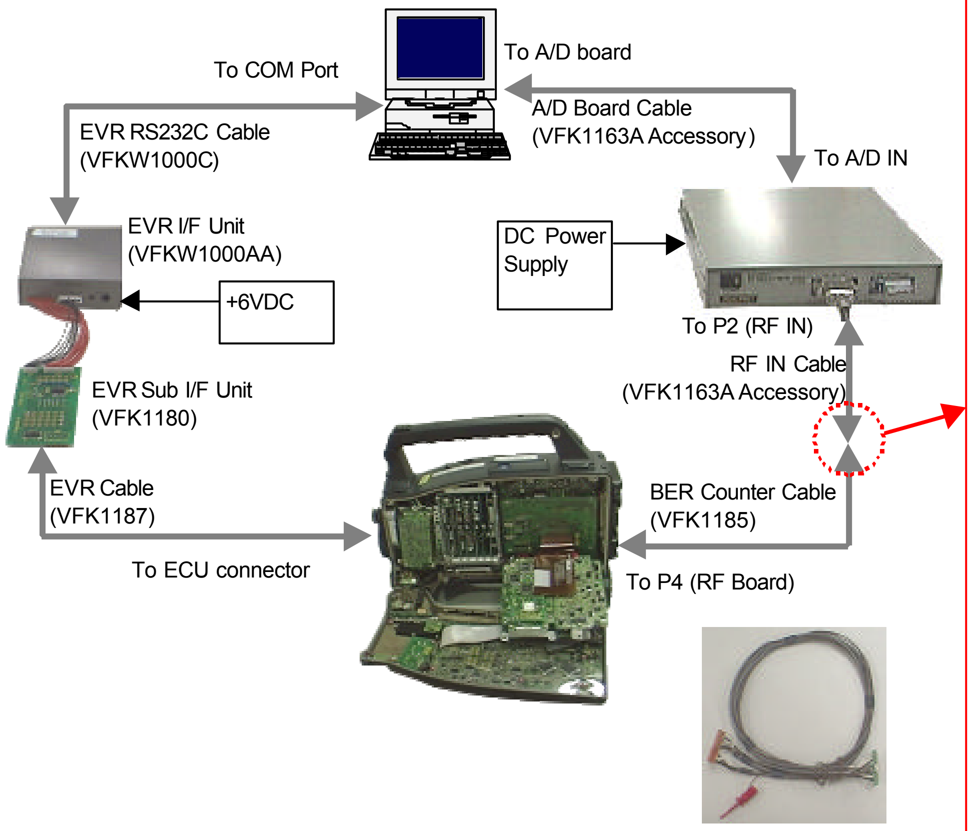
This section describe RF Auto Adjustment Procedures using a PC and software.
(However, please perform section 12-1 to 12-3 of 12 RF Adjustment (2) before perform RF Auto Adjustment.)
Perform RF Auto Adjustment after Cylinder replacement and/or RF adjustment.
If specification could not achieve by the RF Auto Adjustment Procedures, perform RF Adjustment manually.

14-1. Preparation of RF Auto Adjustment

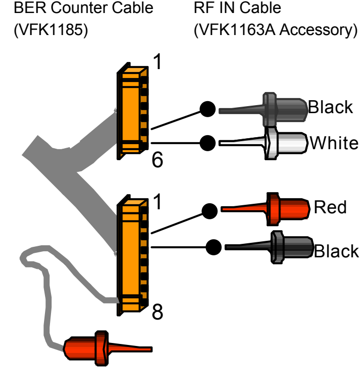
<Equipment Required>
Please prepare following equipment.

	Name	Part No.	Remarks
1	PC	----	Slower than Pentium 200MHz recommended With ISA BUS
2	A/D Board	VFK1300	QUATECH DAQ-12
3	RF Auto Adjustment Tool	VFK1163A	
4	EVR I/F Unit	VFKW1000AA	
5	EVR RS232C Cable	VFKW1000C	
6	EVR Sub I/F Unit	VFK1180	
7	EVR Cable	VFK1187	
8	BER Counter Cable	VFK1185	
9	Alignment Tape (No.1)	VFM3580KM	M Cassette
10	RF Auto Adjustment Software	VFK1629	
11	DC Power Supply	-----	8.5V-12VDC/more than 1.1A : for VFK1163A 6V/more than 300mA : for VFKW1000AA

<Connection>
Connect each equipment and tools as follows.


To COM Port
To A/D board
EVR RS232C Cable
(VFKW1000C)
A/D Board Cable
(VFK1163A Accessory)
To A/D IN
EVR I/F Unit
(VFKW1000AA)
DC Power
Supply
+6VDC
To P2 (RF IN)
RF IN Cable
(VFK1163A Accessory)
EVR Sub I/F Unit
(VFK1180)
EVR Cable
(VFK1187)
BER Counter Cable
(VFK1185)
To ECU connector
To P4 (RF Board)

Connection of BER Counter Cable and RF IN Cable


BER Counter Cable
(VFK1185)
RF IN Cable
(VFK1163A Accessory)
1
6
1
8
Black
White
Red
Black

6Pin Connector

6Pin Connector		RF IN Cable IC Clip
1	TEST_L	
2	SBE	
3	TRIGGER	
4	18M	
5	GND	Black Clip
6	HID1	White Clip

8pin Connector

8Pin Connector		RF IN Cable IC Clip
1	R/P ENV	
2	GND	
3	PB ENV	Red Clip
4	GND	Black Clip
5	EYE PAT	
6	GND	
7	GND	
8	HID 2	

14-2. Initial Setting and Software Installation

1. Open the Service Menu (refer to Service Information) and change the setting of **"ECU CONNECT"** from **"ECU"** to **"EVR"**.
2. Install the RF Auto Adjustment Software (VFK1629) to your PC.
   Copy the all file of RF Auto Adjustment Software to optional folder on the HDD of your PC.
   (ex, Make folder as “RF610ADJ”. C:\>RF610ADJ)

14-3. Execute of RF Auto Adjustment Software

1. Confirm that a tape is not inside of camcorder and execute the RF Auto Adjustment Software after connection has been completed.

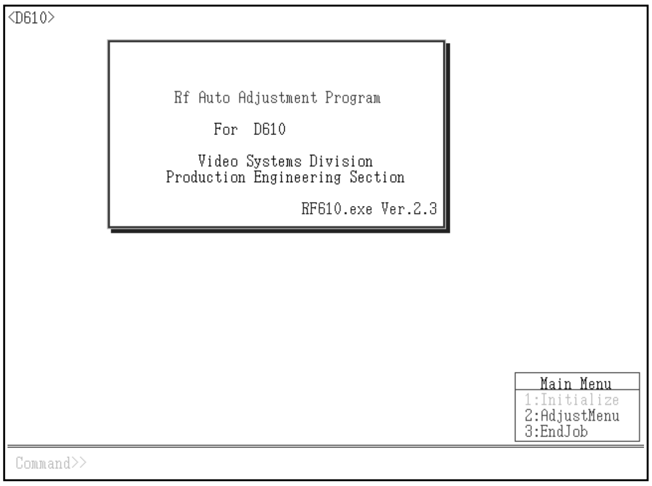
<How to Execute>

I. Boot up your PC with MS-DOS mode.
II. Move software to new folder which was made when installation.
III. Type **"610RF.BAT"** so that the RF Auto Adjustment Software will execute.
IV. It can execute from MS-DOS prompt of WINDOWS Start Menu but please set full screen mode for your display.

Note:

◆ This software was made for AJ-D610W and D810A/WA. So there are two execute file for each model. One is "610RF.BAT" and the other one is "810RF.BAT". Be careful when execute this software.

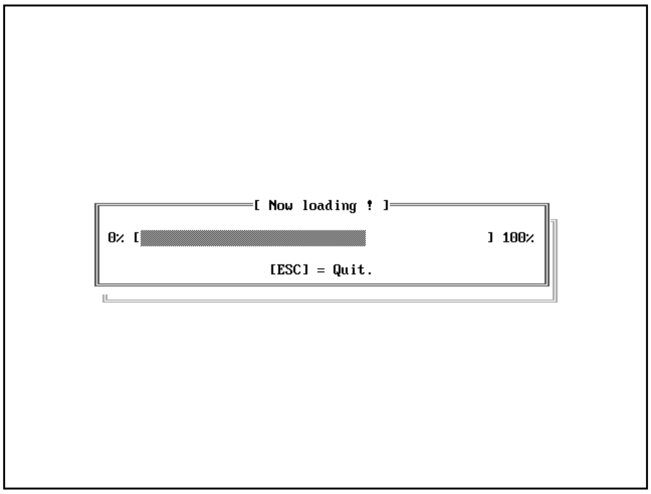
2. After execute software, the message **"RF AUTO Adjustment Program For D610W"** will appear.
3. Select **"1: Initialize"** of **"Main Menu"**. In case of first time use, changed PC, tools, or A/D board, perform initialize.



```
<D610>

      Rf Auto Adjustment Program

            For  D610

         Video Systems Division
      Production Engineering Section

                       RF610.exe Ver.2.3

                                          Main Menu
                                          1:Initialize
                                          2:AdjustMenu
                                          3:EndJob
Command>>
```

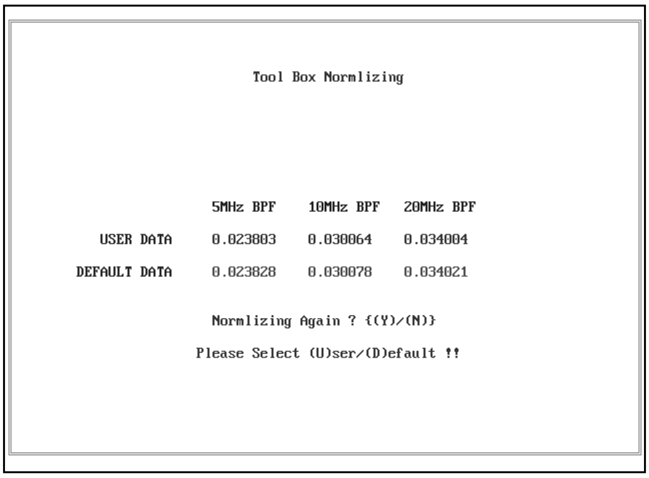
14-4. Initialization of RF Auto Adjustment Software

1. When select **"1 Initialize"** of Main Menu, PC will ask **"Do you transfer BOOT PROGRAM? [(Y) or (N)]"**. The bar graph from 0% to 100% will appear when select **"Y"** as shown below. After completion of program transfer to the EVR I/F Unit, 100% bar graph indication will be disappeared and the message **"EVR INIT OK"** will appear. RF Auto Adjustment can be performed with this PC and camcorder communication is completed.
   * ***If bar graph stops around 80% during program transfer, turn power off / on the EVR I/F Unit then repeat above procedure again.***



```
[ Now loading ! ]
0% [                                    ] 100%
              [ESC] = Quit.
```

2. The message **"Please insert the DVCPRO Master Tape"** will appear. Insert a DVCPRO Alignment Tape (VFM3580KM for NTSC, VFM3680KM for PAL).
3. After tape insertion, the following message will appear,
   "Tool Box Normalizing"
   and start USER DATA measurement.



```
                    Tool Box Normlizing


                  5MHz BPF   10MHz BPF   20MHz BPF
    USER DATA     0.023803   0.030064    0.034004
 DEFAULT DATA     0.023828   0.030078    0.034021

                  Normlizing Again ? {(Y)/(N)}
                 Please Select (U)ser/(D)efault !!
```

4. Confirm that the value difference between USER DATA and DEFAULT DATA is less than **+/- 0.01** in case of first time use, or changed PC, Tools, or A/D board.
5. Confirm that the value difference using the same RF Auto Adjustment Tool, PC and A/D Board combination is less than **+/- 0.003.**

   If the USER DATA value is out of range, RF Auto Adjustment Tool may defective.
6. If USER DATA value is in the range, the message **"Normalizing Again ?"** will appear, then select **"N"**. After selection, the following message will appear

   Please Select (U)ser / (D)efault!

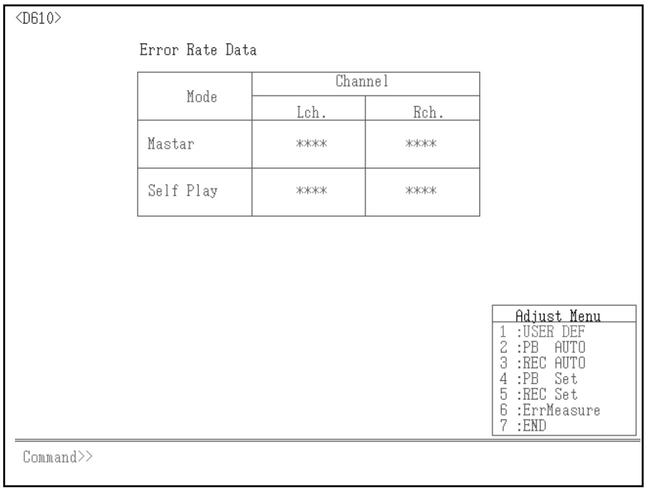
   Select **"U"**.

   Eject the tape after Main Menu appeared on the monitor.

14-5. PB Circuit Adjustment

1. Select **"2 Adjust Menu"** from Main Menu so that the display will change to **"Error Rate Data"** and adjustment menu will appear.
2. Select **"1. USER DEF"** after adjustment menu appeared.
   - * *If select **"1. USER DEF"***

     PB Circuit --> REC circuit Adjustment continuously.



<D610>

Error Rate Data

Mode	Channel	
	Lch.	Rch.
Mastar	****	****
Self Play	****	****

Command>>

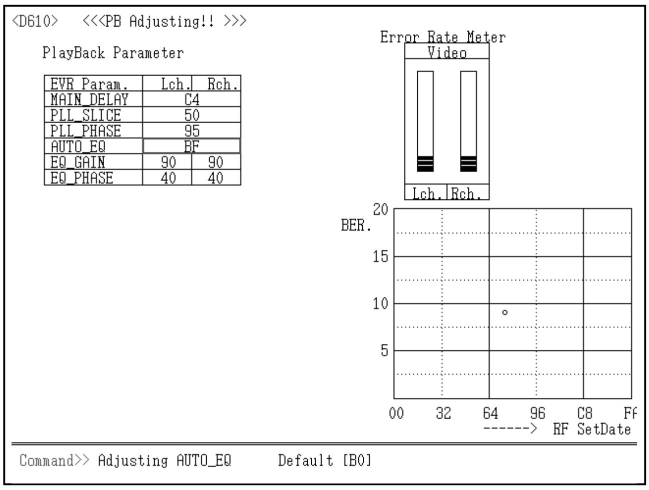
3. Next, the message **“DECK No INPUT?”** will appear on the **Command>>** display part of bottom of the monitor. Input serial No. or optional code and press Enter key.
   - * *Input No. will be used for discrimination of adjustment data and error rate data.*
4. Next, the message **"Please Insert 25M Master Tape"** will appear on the **Command>>** display part of bottom of the monitor.

   Insert a 25M Color-Bar Master Tape.

   (VFM3580KM for NTSC, VFM3680KM for PAL)
5. RF Auto Adjustment will start as shown below. (Do not touch camcorder and PC during Auto Adjustment)

   <<Adjustment Flow>>

   1. PB Adjustment → 2. REC Adjustment
6. 6. After completion of PB circuit adjustment, REC circuit adjustment will start.



<D610> <<<PB Adjusting!! >>>

PlayBack Parameter

EVR Param.	Lch.	Rch.
MAIN_DELAY	C4	
PLL_SLICE	50	
PLL_PHASE	95	
AUTO_EQ	BF	
EQ_GAIN	90	90
EQ_PHASE	40	40

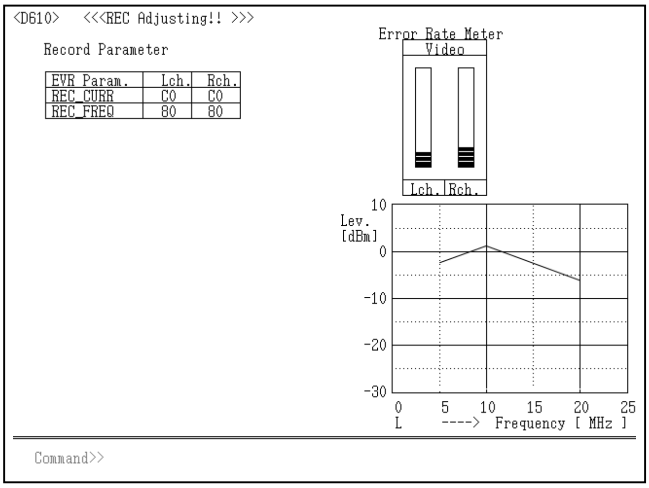
Command>> Adjusting AUTO_EQ Default [B0]

14-6. REC Circuit Adjustment

After completion of PB circuit adjustment, REC circuit adjustment will start.

Confirm again that the power supply for RF Auto Adjustment is ON.

1. After completion of PB circuit, REC circuit adjustment will start.
2. The RF Auto Software will take master level and error rate data from the Color Bar Master Tape as follows.
3. During taking the data, the waveform will appear on the spectrum analyzer display part of the right bottom side of the monitor.



<D610> <<<REC Adjusting!! >>>

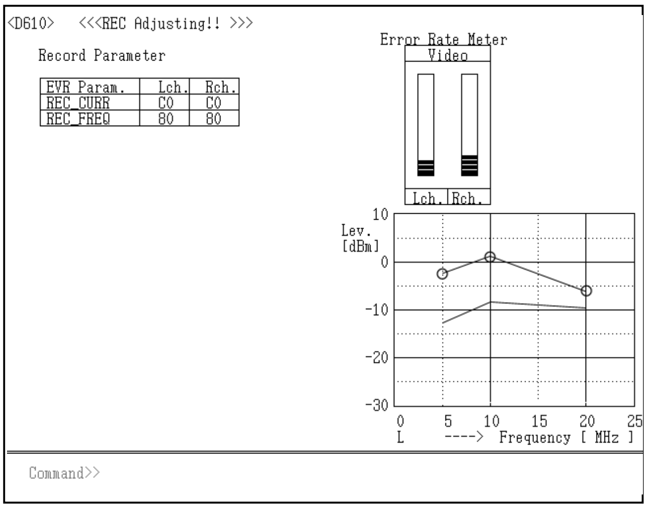
Record Parameter

EVR Param.	Lch.	Rch.
REC_CURR	C0	C0
REC_FREQ	80	80

Command>>

Error Rate Meter
Video
Lch.
Rch.
Lev.
[dBm]
10
0
-10
-20
-30
0
5
10
15
20
25
L ----> Frequency [MHz]

4. After completion of the data taking, master tape will be ejected and the message **"Please Insert Blank Tape"** will appear on the Command>> display part of bottom of the monitor. Then insert a blank tape for recording.
5. The following figure will appear and Auto Recording Circuit Adjustment will start.
6. After completion of Recording Circuit Adjustment, it will record few seconds automatically and measure the self recording error rate.



<D610> <<<REC Adjusting!! >>>

Record Parameter

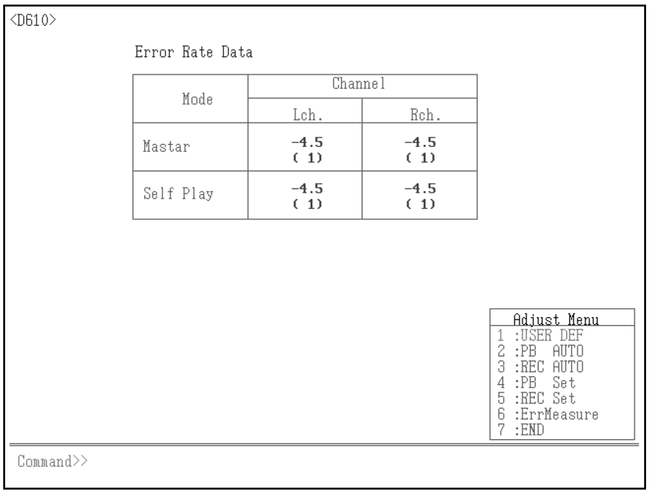
EVR Param.	Lch.	Rch.
REC_CURR	C0	C0
REC_FREQ	80	80

Command>>

Error Rate Meter
Video
Lch.
Rch.
Lev.
[dBm]
10
0
-10
-20
-30
0
5
10
15
20
25
L ----> Frequency [MHz]

14-7. Error Rate Confirmation

1. After completion of the PB/REC circuit adjustment, automatically measured error rate will be displayed as following figure.
2. Confirm that the each numbers in the table is all green. (The red number means high error rate)
   - * *Perform Head, Tape Path, and Cylinder Lead cleaning for high error channel.*



<D610>

Error Rate Data

Mode	Channel	
	Lch.	Rch.
Mastar	-4.5 (1)	-4.5 (1)
Self Play	-4.5 (1)	-4.5 (1)

Command>>

Adjust Menu
1 :USER DEF
2 :PB AUTO
3 :REC AUTO
4 :PB Set
5 :REC Set
6 :ErrMeasure
7 :END

15. AUDIO

15-1. Initial setting

Menu setting

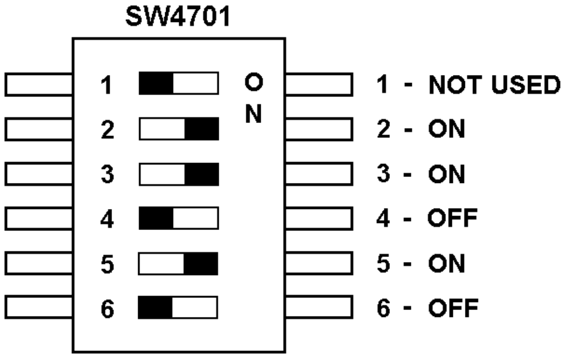
1. Set **[MENU]** switch to **SET** while pushing the **[SHIFT]**, **[+]**, and **[-]** button of the operation panel.

2. Set the Menu mode as shown below.
   PAGE: MIC/AUDIO
   FRONT MIC : -60dB
   REAR MIC CH1 : -60dB
   REAR MIC CH2 : -60dB
   LINE CH1/ CH2 : +4dB
   REAR AUDIO : STREO
   MIC LOWCUT CH1 : OFF
   MIC LOWCUT CH2 : OFF
   EMPHASIS : OFF
   LIMITER : OFF
   TEST MODE : NORMAL

3. Set the camera recorder switches as follows.

   MONITOR SELECT : CH1,ST
   AUDIO SELECT CH1 : MAN
   AUDIO SELECT CH2 : MAN
   AUDIO IN CH1 : LINE
   AUDIO IN CH2 : LINE
   MIC POWER CH1 : OFF
   MIC POWER CH2 : OFF
   AUDIO LEVEL VR : CENTER
   CUE : CH1

4. Set **SW4701 on AUDIO LCD** board as shown below.



Pin No.	-60dB (default setting)	-20dB
1	Not Used	
2	ON (NR ON/OFF)	
3	ON	OFF
4	OFF	ON
5	ON	OFF
6	OFF	ON

15-2. Playback Level Adjustment (1)

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	VR4701
MODE	PLAY
TAPE	VFM3580KM (No.1: 0-14min) VFM3680KM (No.1: 0-10min)
M. EQ.	Audio Analyzer
SPEC.	NTSC : +4dBu +/- 0.2dB PAL : 0dBu +/- 0.2dB

1. Adjust **VR4701** so that the **AUDIO OUT** level is in the specification.

15-3. Playback Level Adjustment (2)

BOARD	AUDIO LCD
TP	TP4301 [CH1] TP4401 [CH2]
ADJUST	VR4301 VR4401
MODE	PLAY
TAPE	VFM3580KM (No.1: 0-14min) VFM3680KM (No.1: 0-10min)
M. EQ.	Audio Analyzer
SPEC.	-20dBu +/- 0.2dB

1. Adjust **VR4301** so that the level at **TP4301** is in the specification.
2. Adjust **VR4401** so that the level at **TP4401** is in the specification.

15-4. Recording Level Adjustment

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	VR4102 [CH1] VR4202 [CH2]
INPUT	NTSC : 1kHz, +4dBu PAL : 1kHz, 0dBu Sine Wave/ REAR (CH1/CH2)
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer
SPEC.	NTSC : +4dBu+/-0.2dB PAL : 0dBu+/-0.2dB

1. Set the **AUDIO LEVEL VR** (REC LEVEL) **CH1/CH2** at center position.
2. Set the Camera Recorder SW as shown below.
   MONITOR SELECT :**CH1,ST**
3. Adjust **VR4102** so that the output Level at the **AUDIO OUT** is in the specification.
4. Set the Camera Recorder SW as shown below.
   MONITOR SELECT :**CH2,ST**
5. Adjust **VR4202** so that the output Level at the **AUDIO OUT** is in the specification.

15-5. Meter Adjustment

BOARD	AUDIO LCD
TP	CH1: TP4102, CH2: TP4202
ADJUST	CH1: VR4103, CH2: VR4203
INPUT	NTSC : 1kHz, +4dBu PAL : 1kHz, 0dBu Sine Wave / REAR (CH1/CH2)
MODE	STOP
TAPE	-
M. EQ.	DVM, Audio Analyzer
SPEC.	NTSC : +0.69V+/-0.005V PAL : +0.78V+/-0.005V

For NTSC

1. Adjust **VR4103** so that the DC Level at **TP4102** is in the specification.
2. Confirm **LCD Level Meter** indicates at **- 20dB.**
3. Adjust **VR4203** so that the DC Level at **TP4202** is in the specification.
4. Confirm the **LCD Level Meter** indicates at **-20dB.**

For PAL

5. Adjust **VR4103** so that the DC Level at **TP4102** is in the specification.
6. Confirm **LCD Level Meter** indicates at **- 18dB.**
7. Adjust **VR4203** so that the DC Level at **TP4202** is in the specification.
8. Confirm the **LCD Level Meter** indicates at **-18dB.**

15-6. REAR MIC Level Confirmation

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	-
INPUT	1kHz, -60dBu Sine Wave / REAR(CH1/CH2)
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer
SPEC.	NTSC : A=+4dBu+/-1.0dB (Output Level) B=-51dBu or less [A WTG] (noise Level) PAL : A=0dBu+/-1.0dB (Output Level) B=-55dBu or less [A WTG] (noise Level)

1. Set the Camera Recorder SW as shown below.

   MONITOR SELECT :**CH1,ST**
   AUDIO IN CH1 :**REAR MIC**
   AUDIO IN CH2 :**REAR MIC**

2. Confirm that the Output Level at the **AUDIO OUT** is in the specification A.

3. Supply no audio input, then confirm the noise Level is in the specification B.

* Noise Level should be measured via a weighting filter.

4. Set the Camera Recorder SW as shown below.

   MONITOR SELECT :**CH2,ST**

5. Confirm that the Output Level at the **AUDIO OUT** is in the Specification A.

6. Supply no audio input, then confirm the noise Level is in the specification B.

* Noise Level should be measured via a weighting filter.

15-7. FRONT MIC Level Confirmation

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	-
INPUT	1kHz, -60dBu Sine Wave / REAR(CH1/CH2)
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer
SPEC.	N T S C : A=+4dBu+/-1.0dB (Output Level) B=-46dBu or less [A WTG] (noise Level) P A L : A = 0dBu+/-1.0dB (Output Level) B=-50dBu or less [A WTG] (noise Level)

1. Set the Camera Recorder switches as shown below.

    MONITOR SELECT :**CH1, ST**
    AUDIO IN CH1 :**FRONT MIC**
    AUDIO IN CH2 :**FRONT MIC**

2. Set the Audio CH1 VR at **10** (MAX) on Front.

3. Confirm that the output level at the **AUDIO OUT** is in the Specification A.

4. Supply no audio input, then confirm the noise level is in the specification B.

* Noise Level should be measured via a weighting filter.

5. Set the Camera Recorder SW as shown below.

    MONITOR SELECT :**CH2, ST**

6. Confirm that the output level at the **AUDIO OUT** is in the specification A.

7. Supply no audio input, then confirm noise level is in the specification B.

* Noise Level should be measured via a weighting filter.

15-8. LIMITER Level Confirmation

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	-
INPUT	1kHz, -30dBu Sine Wave / FRONT
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer
SPEC.	N T S C : +20.5dBu +/- 2.0dB P A L : +14.5dBu +/- 2.0dB

1. Set the Camera Recorder Switches and menu item as shown below.

    MONITOR SELECT :**CH1, ST**
    AUDIO IN CH1 :**FRONT MIC**
    AUDIO IN CH2 :**FRONT MIC**

    PAGE: MIC/AUDIO
    LIMITTER :**ON**

2. Set the Audio CH1 VR at **10** (MAX) on Front.

3. Confirm that the output level at the **AUDIO OUT** is in the specification.

4. Set the Camera Recorder SW as shown below.

    MONITOR SELECT :**CH2, ST**

5. Confirmation the output level at the **AUDIO OUT** is in the specification.

6. Set LIMITTER SW to **OFF**.

15-9. AGC Level Confirmation

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	-
INPUT	1kHz, -30dBu Sine Wave / FRONT
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer-
SPEC.	NTSC : +8.5dBu+/-2.0dB PAL : +2.5dBu+/-2.0dB

1. Set the Camera Recorder SW as shown below.

   MONITOR SELECT :**CH1,ST**
   AUDIO SELECT CH1 :**AUTO**
   AUDIO SELECT CH2 :**AUTO**
   AUDIO IN CH1 :**FRONT MIC**
   AUDIO IN CH2 :**FRONT MIC**

2. Confirmation output level at the **AUDIO OUT** is in the specification.

3. Set the Camera Recorder SW as shown below.

   MONITOR SELECT :**CH2,ST**

4. Confirm the Output Level at the **AUDIO OUT** is in the specification.

15-10. Head Phone Level Confirmation

BOARD	AUDIO LCD
TP	PHONES(Head Phone Output)
ADJUST	-
INPUT	NTSC : 1kHz, +4dBu PAL : 1kHz, 0dBu Sine Wave / REAR (CH1/CH2)
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer-
SPEC.	more than -20dBu

1. Set the Camera Recorder SW as shown below.
   MONITOR SELECT :**4-12,ST**

2. Set the **MONITOR VR** to **Maximum position**.

3. Connect a 8 ohm resistor at the **PHONES (Head Phone Output)** and measure the Output Level, then confirm the level is in the Specification.

15-11. TEST SG Adjustment

BOARD	AUDIO LCD
TP	AUDIO OUT
ADJUST	VR4001,VR4002
INPUT	-
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer
SPEC. (NTSC)	A = 1%+/-0.1% (Distortion Ratio) B = +4.5dBu+/-0.2dB (Output Level)
SPEC. (PAL)	A = 1%+/-0.1% (Distortion Ratio) B = 0.5dBu+/-0.2dB (Output Level)

Menu Setting

1. While pressing the **[SHIFT], [+], and [-]** buttons on the operation panel, set **[Menu]** switch to SET.
2. Set the menu as shown below.

PAGE: MIC/AUDIO
TEST TONE : **CAM**

3. Set the Camera Recorder SW as shown below.
   OUTPUT (CAMERA) : **BARS**
   AUDIO IN CH1 : **FRONT MIC**

4. Confirm the 1 kHz signal is supplied from the **AUDIO OUT**.

5. Adjust **VR4001** so that the **Distortion Ratio** at the **AUDIO OUT** is in the specification.

6. Adjust **VR4002** so that the **Output Level** at the **AUDIO OUT** is in the specification.

15-12. CUE Recording Level Adjustment

BOARD	AUDIO LCD
TP	TP4501
ADJUST	VR4501
INPUT	N T S C : 1kHz, +4dBu P A L : 1kHz, 0dBu Sin wave/ REAR (CH1/CH2)
MODE	STOP
TAPE	-
M. EQ.	Audio Analyzer
SPEC.	-10dBu+/-0.2dB

1. Turn 2pin of **SW4701** on the **AUDIO LCD** Board to **OFF**.

2. Adjust **VR4501** so that the Output signal level at **TP4501** is in the specification.

3. Turn 2 pin of **SW4701** on the **AUDIO LCD** Board to **ON**.

15-13. CUE Recording Current Adjustment

BOARD	AUDIO LCD
TP	TP4505
ADJUST	VR4503 (AUDIO_LCD Board) VR1002 (REAR JACK Board)
INPUT	N T S C : 1kHz, +4dBu P A L : 1kHz, 0dBu Sin wave/ REAR (CH1)
MODE	PLAY
TAPE	VFM3580KM (No.1:0-14min) VFM3680KM (No.1:0-10min) BKANK TAPE
M. EQ.	Audio Analyzer
SPEC.	-12dBu+/-0.5dB

Measure with a **1kHz Band Path Filter.**

1. Turn 2pin of **SW4701** on the **AUDIO LCD** Board to **OFF**.

2. Playback an alignment tape, Adjust **VR4503** so that the level at **TP4505** is in specification.

3. Supply a color bar signal and record it. And playback just recorded portion, then adjust **VR1002** so that the playback level is in the specification.

4. Turn 2 pin of **SW4701** on the **AUDIO LCD** Board to **ON**.

SECTION 4

BLOCK DIAGRAMS

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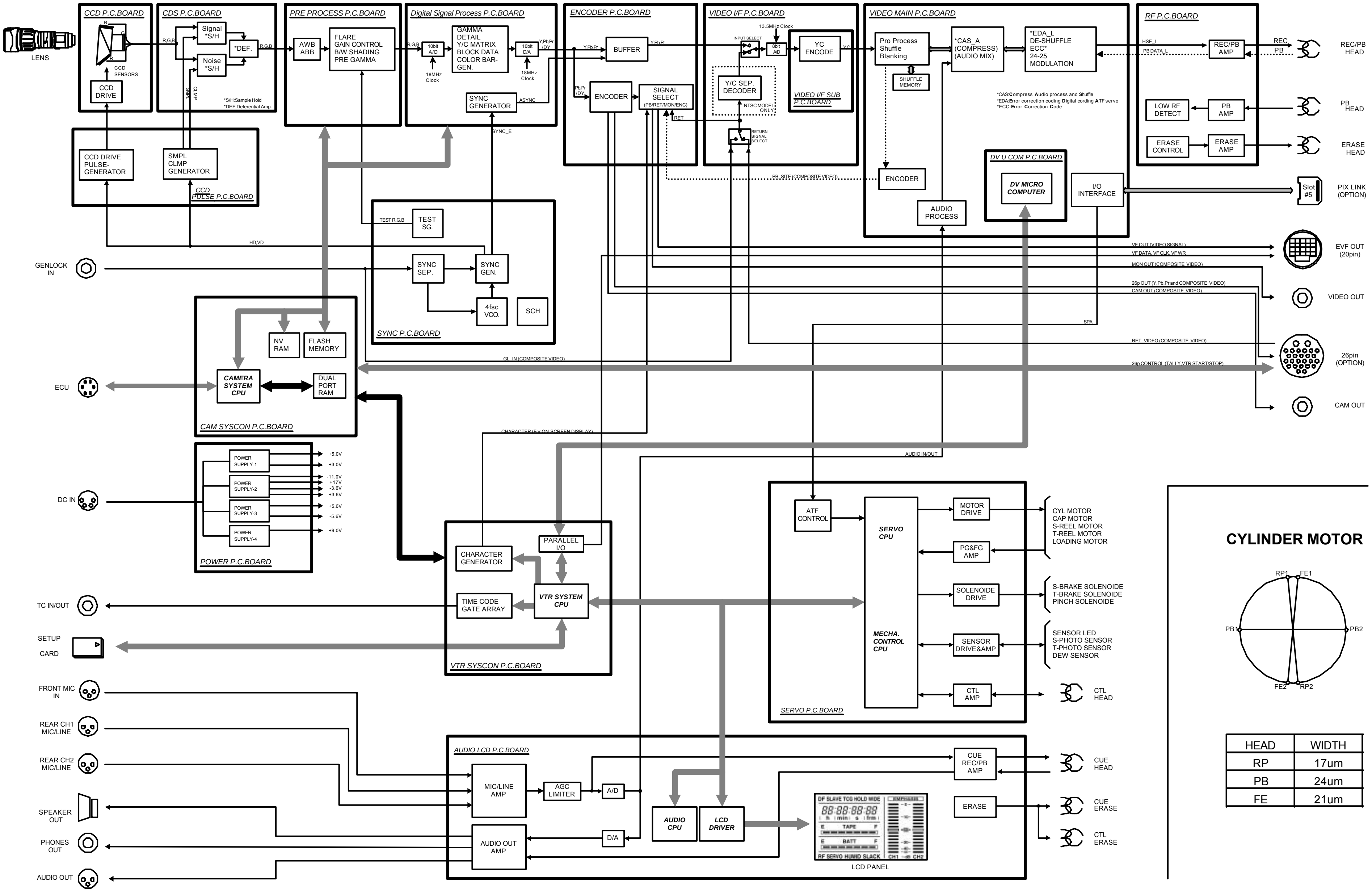
OVERALL BLOCK DIAGRAM (NTSC/PAL) BLK-1
CCD PULSE BLOCK DIAGRAM BLK-2
CCD-SENSOR BLOCK DIAGRAM BLK-3
PRE AMP(CDS) BLOCK DIAGRAM BLK-4
PRE PROCESS BLOCK DIAGRAM.......... BLK-5
DIGITAL SIGNAL PROCESS BLOCK DIAGRAM 1/2.......... BLK-6
DIGITAL SIGNAL PROCESS BLOCK DIAGRAM 2/2.......... BLK-7
CAMERA ENCODER BLOCK DIAGRAM BLK-8
CAMERA SYSCON BLOCK DIAGRAM BLK-9
CAMERA SYNC BLOCK DIAGRAM BLK-10
VIDEO I/F_VIDEO I/F SUB BLOCK DIAGRAM BLK-11
VIDEO MAIN / VIDEO SUB BLOCK DIAGRAM.......... BLK-12
RF BLOCK DIAGRAM.......... BLK-14
VTR SYSCON BLOCK DIAGRAM BLK-15
SERVO BLOCK DIAGRAM BLK-16
AUDIO LCD BLOCK DIAGRAM BLK-17
POWER BLOCK DIAGRAM BLK-18

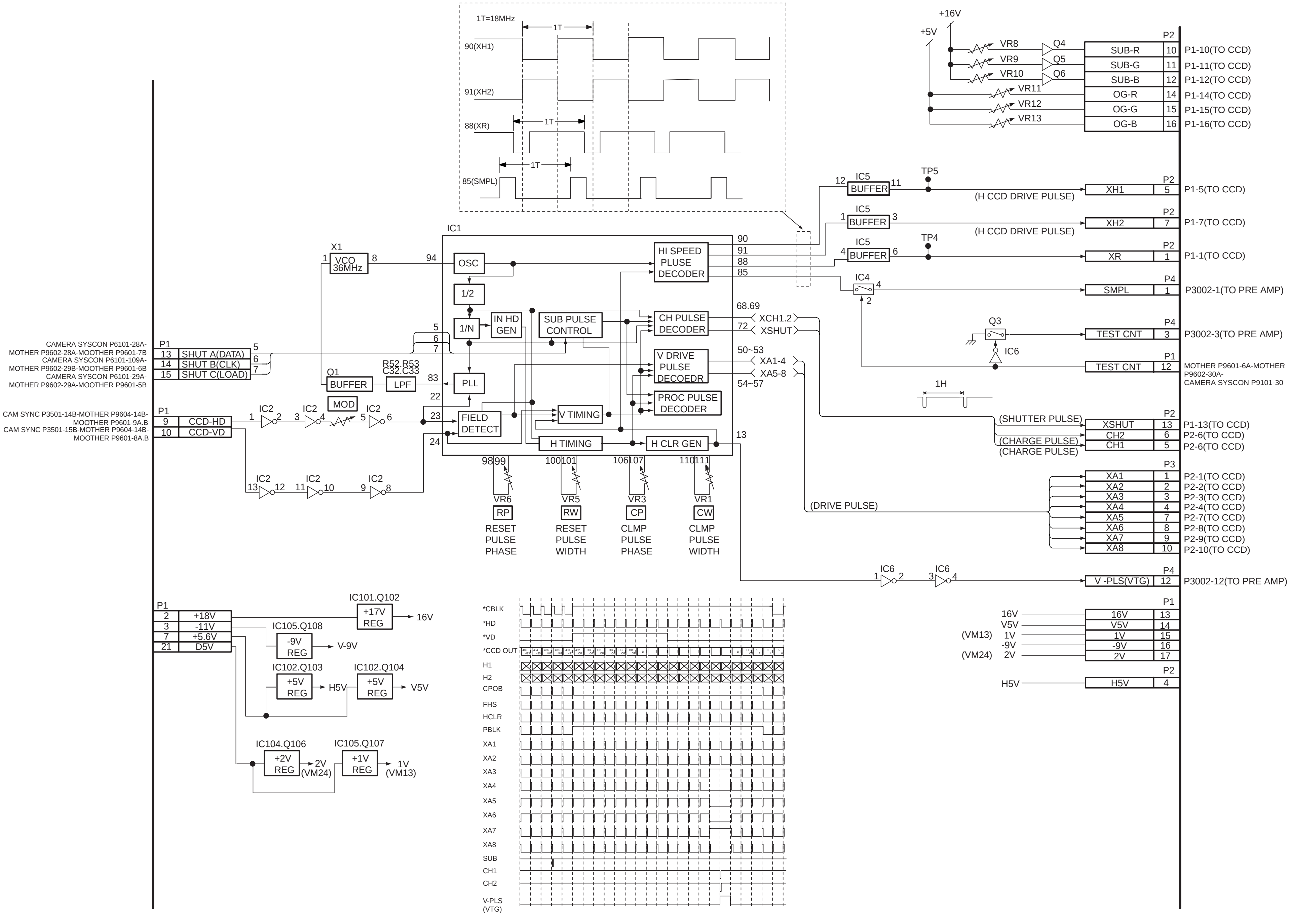
OVERALL BLOCK DIAGRAM (NTSC/PAL)


CCD P.C.BOARD
LENS
B
G
R
CCD SENSORS
CCD DRIVE
CDS P.C.BOARD
R,G,B
Signal *S/H
Noise *S/H
*DEF.
R,G,B
SMPL
CLMP
*S/H:Sample Hold
*DEF:Deferential Amp.
CCD DRIVE PULSE-GENERATOR
SMPL CLMP GENERATOR
CCD PULSE P.C.BOARD
HD,VD
PRE PROCESS P.C.BOARD
AWB ABB
FLARE
GAIN CONTROL
B/W SHADING
PRE GAMMA
Digital Signal Process P.C.BOARD
R,G,B
10bit A/D
18MHz Clock
GAMMA
DETAIL
Y/C MATRIX
BLOCK DATA
COLOR BAR-GEN.
10bit D/A
18MHz Clock
Y,Pb,Pr /DY
SYNC GENERATOR
ASYNC
SYNC_E
ENCODER P.C.BOARD
Y,Pb,Pr
BUFFER
Y,Pb,Pr
Pb,Pr /DY
ENCODER
SIGNAL SELECT (PB/RET/MON/ENC)
RET
VIDEO I/F P.C.BOARD
13.5MHz Clock
INPUT SELECT
8bit A/D
YC ENCODE
YC
Y/C SEP. DECODER
NTSC MODEL ONLY
RETURN SIGNAL SELECT
VIDEO I/F SUB P.C.BOARD
VIDEO MAIN P.C.BOARD
Pro Process Shuffle Blanking
SHUFFLE MEMORY
*CAS_A (COMPRESS) (AUDIO MIX)
EDA_L DE-SHUFFLE ECC 24-25 MODULATION
*CAS:Compress Audio process and Shuffle
*EDA:Error correction coding Digital cording ATF servo
*ECC:Error Correction Code
ENCODER
PB_SITE (COMPOSITE VIDEO)
AUDIO PROCESS
DV U COM P.C.BOARD
DV MICRO COMPUTER
I/O INTERFACE
RF P.C.BOARD
HSE_L
PB DATA_L
REC/PB AMP
REC
PB
REC/PB HEAD
LOW RF DETECT
PB AMP
PB HEAD
ERASE CONTROL
ERASE AMP
ERASE HEAD
Slot #5
PIX LINK (OPTION)
VF OUT (VIDEO SIGNAL)
VF DATA, VF CLK, VF WR
EVF OUT (20pin)
MON OUT (COMPOSITE VIDEO)
26p OUT (Y,Pb,Pr and COMPOSITE VIDEO)
CAM OUT (COMPOSITE VIDEO)
VIDEO OUT
SPA
RET VIDEO (COMPOSITE VIDEO)
26p CONTROL (TALLY,VTR START/STOP)
26pin (OPTION)
CAM OUT
TEST R,G,B
TEST SG.
SYNC SEP.
SYNC GEN.
4fsc VCO.
SCH
SYNC P.C.BOARD
GENLOCK IN
GL_IN (COMPOSITE VIDEO)
NV RAM
FLASH MEMORY
CAMERA SYSTEM CPU
DUAL PORT RAM
ECU
CAM SYSCON P.C.BOARD
POWER SUPPLY-1
POWER SUPPLY-2
POWER SUPPLY-3
POWER SUPPLY-4
+5.0V
+3.0V
-11.0V
+17V
-3.6V
+3.6V
+5.6V
-5.6V
+9.0V
POWER P.C.BOARD
DC IN
CHARACTER (For ON-SCREEN DISPLAY)
AUDIO IN/OUT
CHARACTER GENERATOR
PARALLEL I/O
TIME CODE GATE ARRAY
VTR SYSTEM CPU
VTR SYSCON P.C.BOARD
TC IN/OUT
SETUP CARD
ATF CONTROL
SERVO CPU
MECHA. CONTROL CPU
MOTOR DRIVE
PG&FG AMP
SOLENOIDE DRIVE
SENSOR DRIVE&AMP
CTL AMP
SERVO P.C.BOARD
CYL MOTOR
CAP MOTOR
S-REEL MOTOR
T-REEL MOTOR
LOADING MOTOR
S-BRAKE SOLENOIDE
T-BRAKE SOLENOIDE
PINCH SOLENOIDE
SENSOR LED
S-PHOTO SENSOR
T-PHOTO SENSOR
DEW SENSOR
CTL HEAD
FRONT MIC IN
REAR CH1 MIC/LINE
REAR CH2 MIC/LINE
SPEAKER OUT
PHONES OUT
AUDIO OUT
AUDIO LCD P.C.BOARD
MIC/LINE AMP
AGC LIMITER
A/D
D/A
AUDIO OUT AMP
AUDIO CPU
LCD DRIVER
LCD PANEL
CUE REC/PB AMP
ERASE
CUE HEAD
CUE ERASE
CTL ERASE
CYLINDER MOTOR
RP1
FE1
PB1
PB2
FE2
RP2

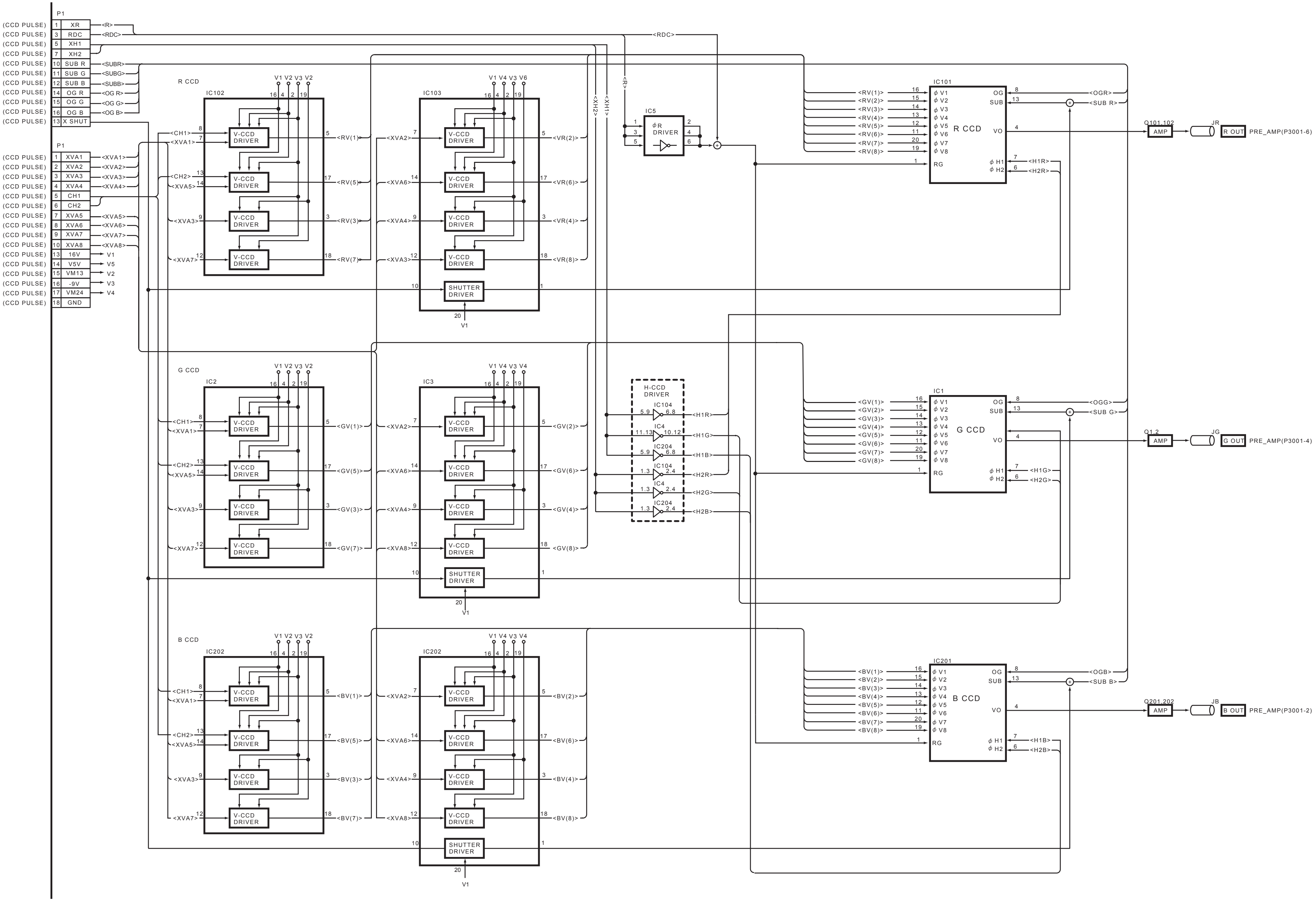
HEAD	WIDTH
RP	17um
PB	24um
FE	21um

CCD PULSE BLOCK DIAGRAM

BLK-2


1T=18MHz
1T
90(XH1)
91(XH2)
88(XR)
85(SMPL)
IC1
X1
VCO 36MHz
1
8
94
OSC
1/2
1/N
IN HD GEN
SUB PULSE CONTROL
HI SPEED PLUSE DECODER
CH PULSE DECODER
V DRIVE PULSE DECOEDR
PROC PULSE DECODER
PLL
FIELD DETECT
V TIMING
H TIMING
H CLR GEN
Q1
BUFFER
R52.R53 C32.C33
LPF
MOD
83
22
23
24
5
6
7
90
91
88
85
68.69
72
50~53
54~57
13
XCH1.2
XSHUT
XA1-4
XA5-8
98 99
100 101
106 107
110 111
VR6
RP
RESET PULSE PHASE
VR5
RW
RESET PULSE WIDTH
VR3
CP
CLMP PULSE PHASE
VR1
CW
CLMP PULSE WIDTH
CAMERA SYSCON P6101-28A-MOTHER P9602-28A-MOOTHER P9601-7B
CAMERA SYSCON P6101-109A-MOTHER P9602-29B-MOOTHER P9601-6B
CAMERA SYSCON P6101-29A-MOTHER P9602-29A-MOOTHER P9601-5B
P1
13 SHUT A(DATA)
14 SHUT B(CLK)
15 SHUT C(LOAD)
CAM SYNC P3501-14B-MOTHER P9604-14B-MOOTHER P9601-9A.B
CAM SYNC P3501-15B-MOTHER P9604-14B-MOOTHER P9601-8A.B
9 CCD-HD
10 CCD-VD
IC2
1 2
3 4
5 6
13 12
11 10
9 8
2 +18V
3 -11V
7 +5.6V
21 D5V
IC101.Q102
+17V REG
16V
IC105.Q108
-9V REG
V-9V
IC102.Q103
+5V REG
H5V
IC102.Q104
+5V REG
V5V
IC104.Q106
+2V REG
2V (VM24)
IC105.Q107
+1V REG
1V (VM13)
+16V
+5V
VR8
VR9
VR10
VR11
VR12
VR13
Q4
Q5
Q6
P2
SUB-R 10 P1-10(TO CCD)
SUB-G 11 P1-11(TO CCD)
SUB-B 12 P1-12(TO CCD)
OG-R 14 P1-14(TO CCD)
OG-G 15 P1-15(TO CCD)
OG-B 16 P1-16(TO CCD)
IC5
BUFFER
12 11
1 3
4 6
TP5
TP4
(H CCD DRIVE PULSE)
XH1 5 P1-5(TO CCD)
XH2 7 P1-7(TO CCD)
XR 1 P1-1(TO CCD)
IC4
4
2
P4
SMPL 1 P3002-1(TO PRE AMP)
Q3
IC6
TEST CNT 3 P3002-3(TO PRE AMP)
TEST CNT 12 MOTHER P9601-6A-MOTHER P9602-30A-CAMERA SYSCON P9101-30
1H
(SHUTTER PULSE)
(CHARGE PULSE)
XSHUT 13 P1-13(TO CCD)
CH2 6 P2-6(TO CCD)
CH1 5 P2-6(TO CCD)
P3
(DRIVE PULSE)
XA1 1 P2-1(TO CCD)
XA2 2 P2-2(TO CCD)
XA3 3 P2-3(TO CCD)
XA4 4 P2-4(TO CCD)
XA5 7 P2-7(TO CCD)
XA6 8 P2-8(TO CCD)
XA7 9 P2-9(TO CCD)
XA8 10 P2-10(TO CCD)
IC6
1 2
3 4
V -PLS(VTG) 12 P3002-12(TO PRE AMP)
16V
V5V
(VM13) 1V
-9V
(VM24) 2V
16V 13
V5V 14
1V 15
-9V 16
2V 17
H5V
H5V 4
*CBLK
*HD
*VD
*CCD OUT
H1
H2
CPOB
FHS
HCLR
PBLK
XA1
XA2
XA3
XA4
XA5
XA6
XA7
XA8
SUB
CH1
CH2
V-PLS (VTG)

CCD-SENSOR BLOCK DIAGRAM


P1
(CCD PULSE)
1 XR
3 RDC
5 XH1
7 XH2
10 SUB R
11 SUB G
12 SUB B
14 OG R
15 OG G
16 OG B
13 X SHUT
1 XVA1
2 XVA2
3 XVA3
4 XVA4
5 CH1
6 CH2
7 XVA5
8 XVA6
9 XVA7
10 XVA8
13 16V
14 V5V
15 VM13
16 -9V
17 VM24
18 GND
V1
V5
V2
V3
V4
R CCD
G CCD
B CCD
IC102
IC103
IC2
IC3
IC202
V1 V2 V3 V2
V1 V4 V3 V6
V1 V4 V3 V4
V-CCD DRIVER
SHUTTER DRIVER
<CH1>
<XVA1>
<CH2>
<XVA5>
<XVA3>
<XVA7>
<XVA2>
<XVA6>
<XVA4>
<XVA8>
<RV(1)>
<RV(5)>
<RV(3)>
<RV(7)>
<VR(2)>
<VR(6)>
<VR(4)>
<VR(8)>
<GV(1)>
<GV(5)>
<GV(3)>
<GV(7)>
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<GV(6)>
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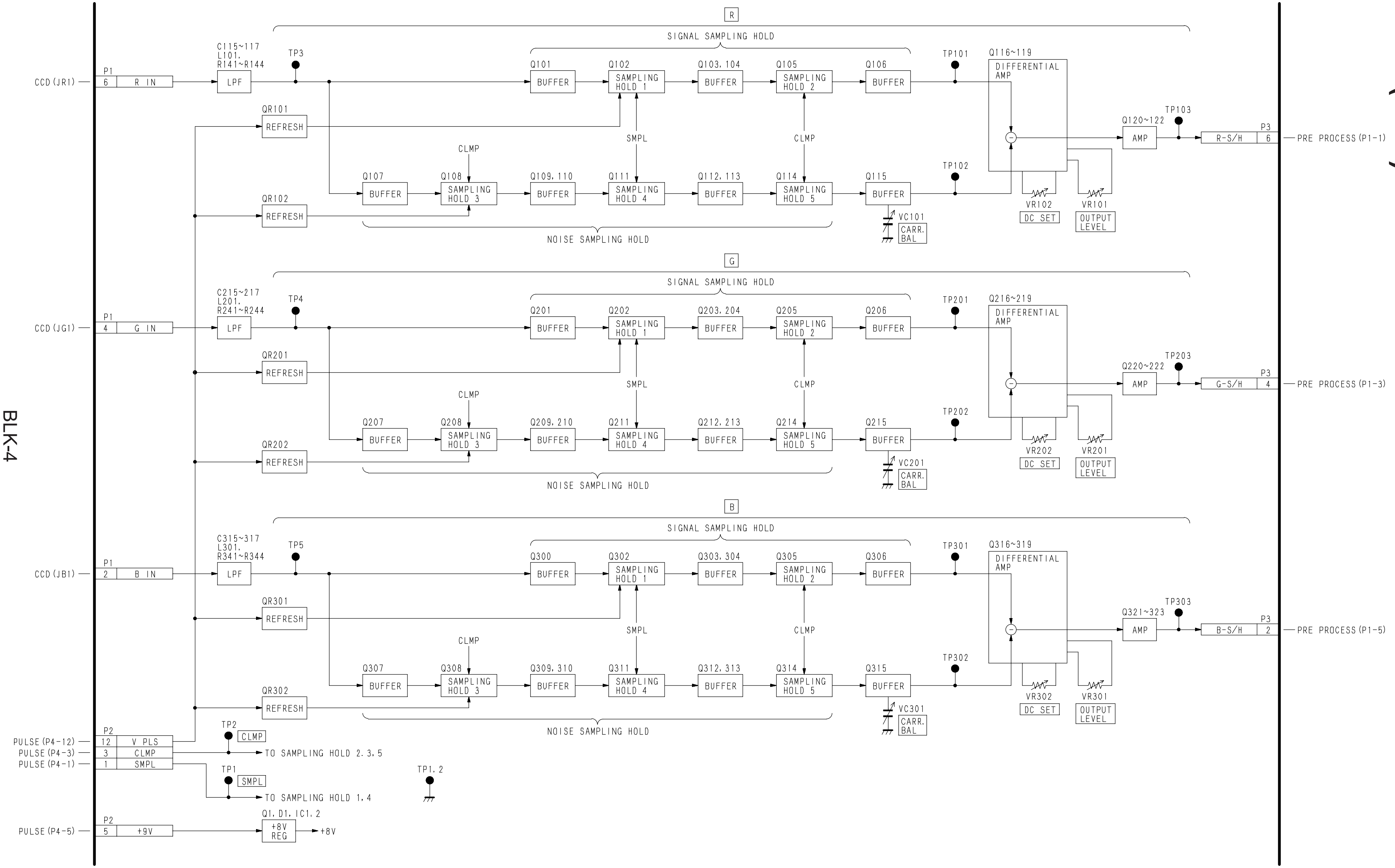
<GV(8)>
<BV(1)>
<BV(5)>
<BV(3)>
<BV(7)>
<BV(2)>
<BV(6)>
<BV(4)>
<BV(8)>
<R>
<RDC>
<SUBR>
<SUBG>
<SUBB>
<OG R>
<OG G>
<OG B>
<XH2>
<XH1>
IC5
φR DRIVER
H-CCD DRIVER
IC104
IC4
IC204
<H1R>
<H1G>
<H1B>
<H2R>
<H2G>
<H2B>
IC101
R CCD
IC1
G CCD
IC201
B CCD
φ V1
φ V2
φ V3
φ V4
φ V5
φ V6
φ V7
φ V8
RG
OG
SUB
VO
φ H1
φ H2
<OGR>
<SUB R>
<OGG>
<SUB G>
<OGB>
<SUB B>
Q101,102
Q1,2
Q201,202
AMP
JR
JG
JB
R OUT
G OUT
B OUT
PRE_AMP(P3001-6)
PRE_AMP(P3001-4)
PRE_AMP(P3001-2)

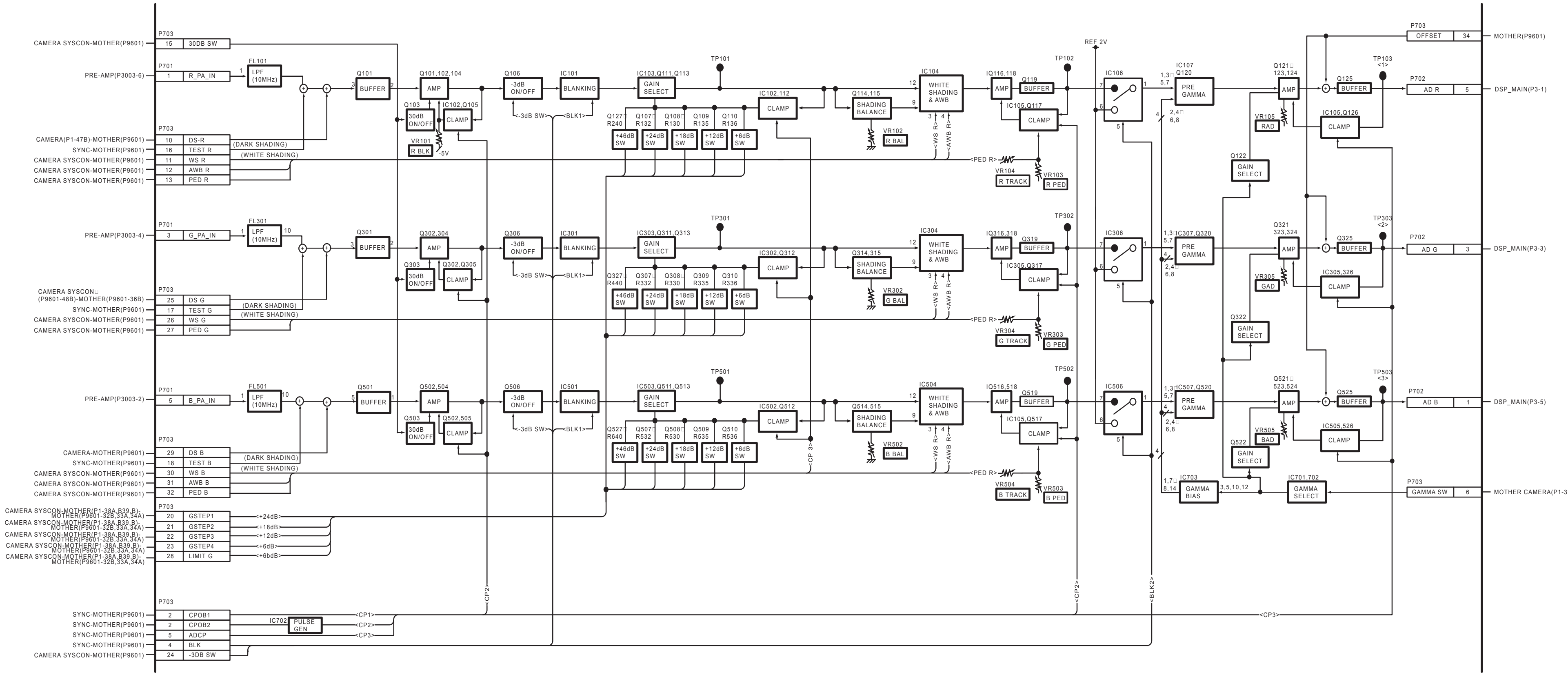
BLK-3

PRE AMP(CDS) BLOCK DIAGRAM

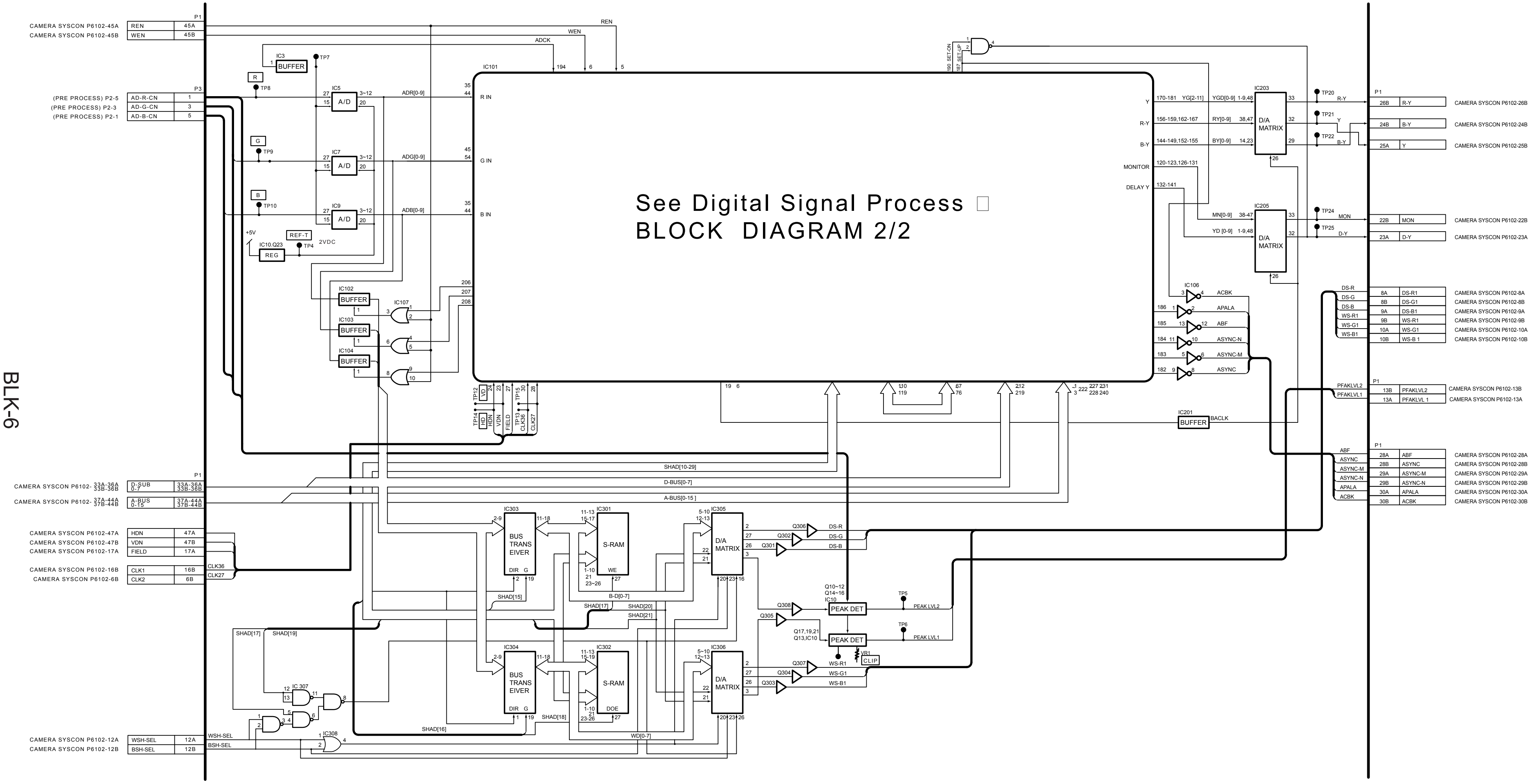

R
SIGNAL SAMPLING HOLD
CCD (JR1)
P1
6
R IN
C115~117
L101,
R141~R144
LPF
TP3
Q101
BUFFER
Q102
SAMPLING HOLD 1
Q103, 104
BUFFER
Q105
SAMPLING HOLD 2
Q106
BUFFER
TP101
Q116~119
DIFFERENTIAL AMP
QR101
REFRESH
SMPL
CLMP
CLMP
Q107
BUFFER
Q108
SAMPLING HOLD 3
Q109, 110
BUFFER
Q111
SAMPLING HOLD 4
Q112, 113
BUFFER
Q114
SAMPLING HOLD 5
Q115
BUFFER
TP102
QR102
REFRESH
NOISE SAMPLING HOLD
VC101
CARR. BAL
VR102
DC SET
VR101
OUTPUT LEVEL
Q120~122
AMP
TP103
R-S/H
P3
6
PRE PROCESS (P1-1)
G
SIGNAL SAMPLING HOLD
CCD (JG1)
P1
4
G IN
C215~217
L201,
R241~R244
LPF
TP4
Q201
BUFFER
Q202
SAMPLING HOLD 1
Q203, 204
BUFFER
Q205
SAMPLING HOLD 2
Q206
BUFFER
TP201
Q216~219
DIFFERENTIAL AMP
QR201
REFRESH
SMPL
CLMP
CLMP
Q207
BUFFER
Q208
SAMPLING HOLD 3
Q209, 210
BUFFER
Q211
SAMPLING HOLD 4
Q212, 213
BUFFER
Q214
SAMPLING HOLD 5
Q215
BUFFER
TP202
QR202
REFRESH
NOISE SAMPLING HOLD
VC201
CARR. BAL
VR202
DC SET
VR201
OUTPUT LEVEL
Q220~222
AMP
TP203
G-S/H
P3
4
PRE PROCESS (P1-3)
B
SIGNAL SAMPLING HOLD
CCD (JB1)
P1
2
B IN
C315~317
L301,
R341~R344
LPF
TP5
Q300
BUFFER
Q302
SAMPLING HOLD 1
Q303, 304
BUFFER
Q305
SAMPLING HOLD 2
Q306
BUFFER
TP301
Q316~319
DIFFERENTIAL AMP
QR301
REFRESH
SMPL
CLMP
CLMP
Q307
BUFFER
Q308
SAMPLING HOLD 3
Q309, 310
BUFFER
Q311
SAMPLING HOLD 4
Q312, 313
BUFFER
Q314
SAMPLING HOLD 5
Q315
BUFFER
TP302
QR302
REFRESH
NOISE SAMPLING HOLD
VC301
CARR. BAL
VR302
DC SET
VR301
OUTPUT LEVEL
Q321~323
AMP
TP303
B-S/H
P3
2
PRE PROCESS (P1-5)
PULSE (P4-12)
PULSE (P4-3)
PULSE (P4-1)
P2
12
V PLS
3
CLMP
1
SMPL
TP2
CLMP
TO SAMPLING HOLD 2, 3, 5
TP1
SMPL
TO SAMPLING HOLD 1, 4
TP1, 2
PULSE (P4-5)
P2
5
+9V
Q1, D1, IC1, 2
+8V REG
+8V

BLK-4

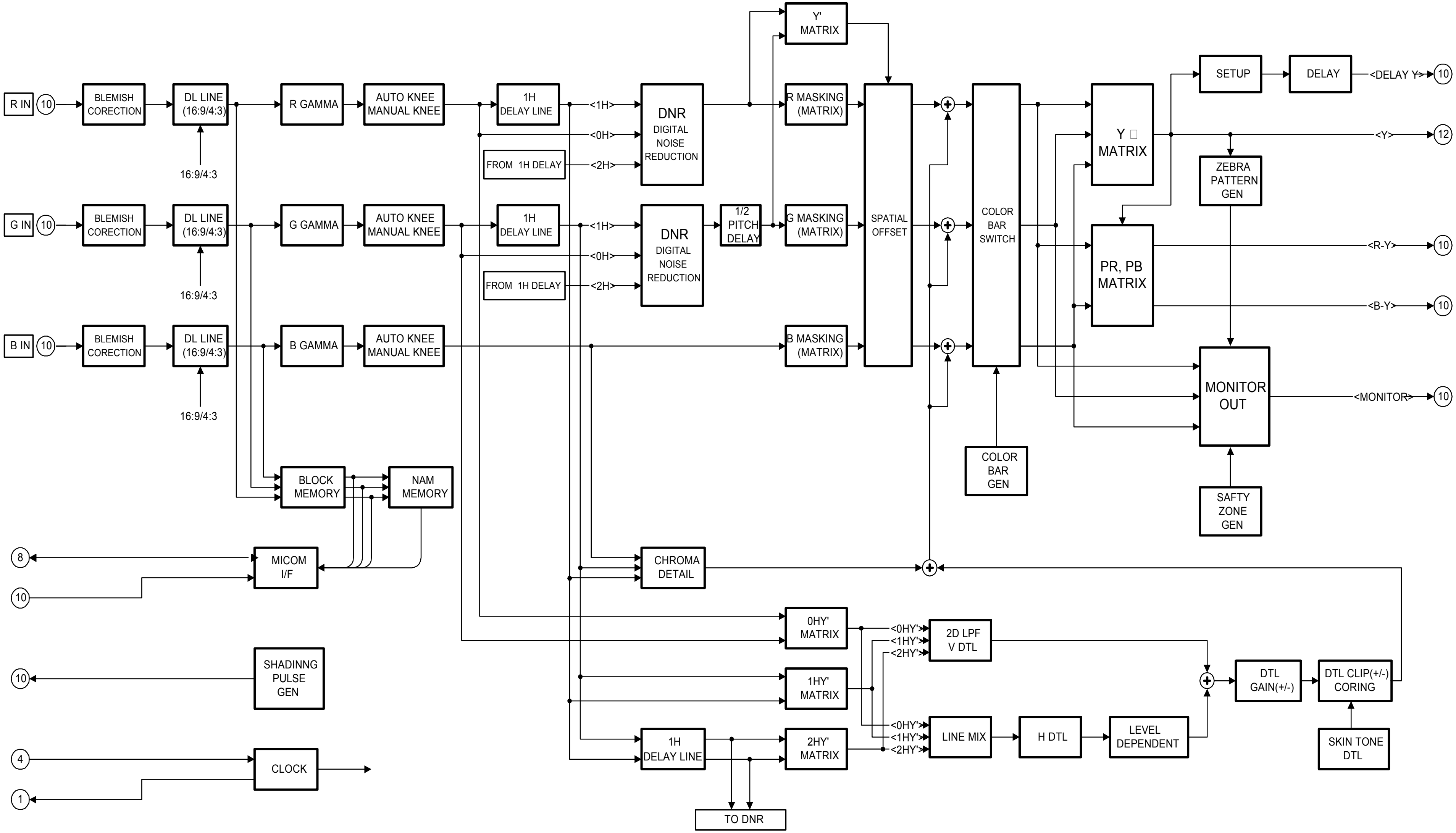
PRE PROCESS BLOCK DIAGRAM


CAMERA SYSCON-MOTHER(P9601)
PRE-AMP(P3003-6)
CAMERA(P1-47B)-MOTHER(P9601)
SYNC-MOTHER(P9601)
CAMERA SYSCON-MOTHER(P9601)
PRE-AMP(P3003-4)
CAMERA SYSCON
(P9601-48B)-MOTHER(P9601-36B)
PRE-AMP(P3003-2)
CAMERA-MOTHER(P9601)
CAMERA SYSCON-MOTHER(P1-38A,B39,B)-MOTHER(P9601-32B,33A,34A)
P703
15 30DB SW
P701
1 R_PA_IN
10 DS-R
16 TEST R
11 WS R
12 AWB R
13 PED R
3 G_PA_IN
25 DS G
17 TEST G
26 WS G
27 PED G
5 B_PA_IN
29 DS B
18 TEST B
30 WS B
31 AWB B
32 PED B
20 GSTEP1
21 GSTEP2
22 GSTEP3
23 GSTEP4
28 LIMIT G
2 CPOB1
2 CPOB2
5 ADCP
4 BLK
24 -3DB SW
<+24dB>
<+18dB>
<+12dB>
<+6dB>
<+6bdB>
(DARK SHADING)
(WHITE SHADING)
FL101
FL301
FL501
LPF (10MHz)
Q101
Q301
Q501
BUFFER
Q101,102,104
Q302,304
Q502,504
AMP
Q103
Q303
Q503
30dB ON/OFF
IC102,Q105
Q302,Q305
Q502,505
CLAMP
VR101
R BLK
-5V
Q106
Q306
Q506
-3dB ON/OFF
<-3dB SW>
<BLK1>
IC101
IC301
IC501
BLANKING
IC103,Q111,Q113
IC303,Q311,Q313
IC503,Q511,Q513
GAIN SELECT
Q127 R240
Q107 R132
Q108 R130
Q109 R135
Q110 R136
Q327 R440
Q307 R332
Q308 R330
Q309 R335
Q310 R336
Q527 R640
Q507 R532
Q508 R530
Q509 R535
Q510 R536
+46dB SW
+24dB SW
+18dB SW
+12dB SW
+6dB SW
TP101
TP301
TP501
IC102,112
IC302,Q312
IC502,Q512
CLAMP
Q114,115
Q314,315
Q514,515
SHADING BALANCE
VR102
R BAL
VR302
G BAL
VR502
B BAL
IC104
IC304
IC504
WHITE SHADING & AWB
<WS R>
<AWB R>
<PED R>
<CP 3>
IQ116,118
IQ316,318
IQ516,518
AMP
Q119
Q319
Q519
BUFFER
TP102
TP302
TP502
IC105,Q117
IC305,Q317
IC105,Q517
CLAMP
VR104
R TRACK
VR103
R PED
VR304
G TRACK
VR303
G PED
VR504
B TRACK
VR503
B PED
REF 2V
IC106
IC306
IC506
IC107 Q120
IC307,Q320
IC507,Q520
PRE GAMMA
1,3 5,7
2,4 6,8
Q121 123,124
Q321 323,324
Q521 523,524
AMP
VR105
RAD
VR305
GAD
VR505
BAD
Q122
Q322
Q522
GAIN SELECT
Q125
Q325
Q525
BUFFER
IC105,Q126
IC305,326
IC505,526
CLAMP
TP103 <1>
TP303 <2>
TP503 <3>
P702
AD R 5
AD G 3
AD B 1
P703
OFFSET 34
GAMMA SW 6
MOTHER(P9601)
DSP_MAIN(P3-1)
DSP_MAIN(P3-3)
DSP_MAIN(P3-5)
MOTHER CAMERA(P1-37A)
IC703
GAMMA BIAS
1,7 8,14
3,5,10,12
IC701,702
GAMMA SELECT
IC702
PULSE GEN
<CP1>
<CP2>
<CP3>
<BLK2>

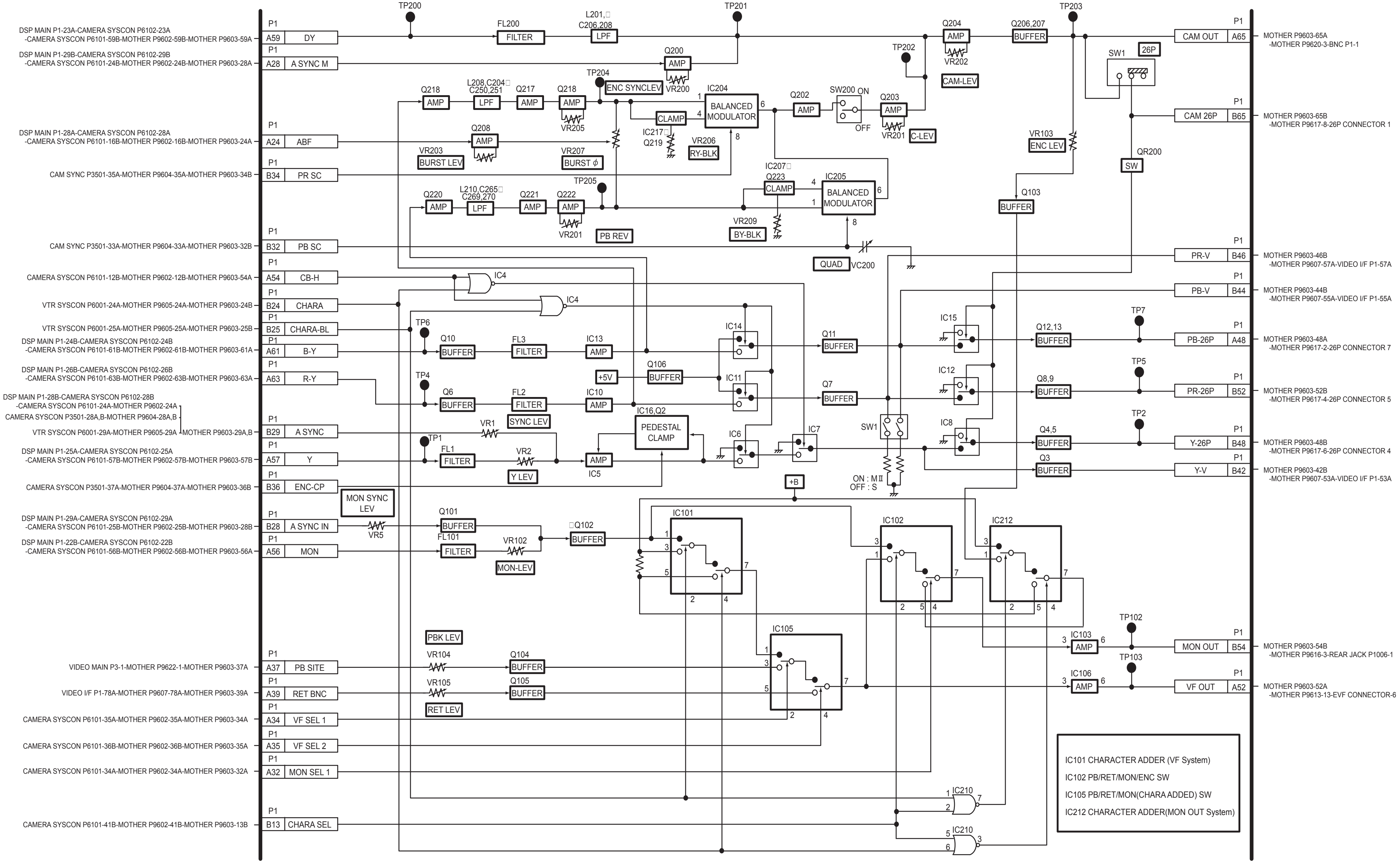
DIGITAL SIGNAL PROCESS BLOCK DIAGRAM 1/2


See Digital Signal Process
BLOCK DIAGRAM 2/2
CAMERA SYSCON P6102-45A
CAMERA SYSCON P6102-45B
REN
WEN
45A
45B
P1
P3
(PRE PROCESS) P2-5
(PRE PROCESS) P2-3
(PRE PROCESS) P2-1
AD-R-CN
AD-G-CN
AD-B-CN
IC3
BUFFER
TP7
TP8
TP9
TP10
R
G
B
IC5
IC7
IC9
A/D
ADR[0-9]
ADG[0-9]
ADB[0-9]
ADCK
IC101
R IN
G IN
B IN
+5V
IC10,Q23
REG
REF-T
TP4
2VDC
IC102
IC103
IC104
IC107
BUFFER
TP12
TP14
TP13
TP15
VD
HD
VDN
HDN
FIELD
CLK36
CLK27
Y
R-Y
B-Y
MONITOR
DELAY Y
YG[2-11]
YGD[0-9]
RY[0-9]
BY[0-9]
MN[0-9]
YD [0-9]
IC203
IC205
D/A
MATRIX
TP20
TP21
TP22
TP24
TP25
MON
D-Y
SET-ON
SET-UP
IC106
ACBK
APALA
ABF
ASYNC-N
ASYNC-M
ASYNC
IC201
BACLK
DS-R
DS-G
DS-B
WS-R1
WS-G1
WS-B1
PFAKLVL2
PFAKLVL1
CAMERA SYSCON P6102-26B
CAMERA SYSCON P6102-24B
CAMERA SYSCON P6102-25B
CAMERA SYSCON P6102-22B
CAMERA SYSCON P6102-23A
CAMERA SYSCON P6102-8A
CAMERA SYSCON P6102-8B
CAMERA SYSCON P6102-9A
CAMERA SYSCON P6102-9B
CAMERA SYSCON P6102-10A
CAMERA SYSCON P6102-10B
CAMERA SYSCON P6102-13B
CAMERA SYSCON P6102-13A
CAMERA SYSCON P6102-28A
CAMERA SYSCON P6102-28B
CAMERA SYSCON P6102-29A
CAMERA SYSCON P6102-29B
CAMERA SYSCON P6102-30A
CAMERA SYSCON P6102-30B
SHAD[10-29]
D-BUS[0-7]
A-BUS[0-15]
CAMERA SYSCON P6102- 33A-36A 33B-36B
CAMERA SYSCON P6102- 37A-44A 37B-44B
D-SUB 0-7
A-BUS 0-15
CAMERA SYSCON P6102-47A
CAMERA SYSCON P6102-47B
CAMERA SYSCON P6102-17A
CAMERA SYSCON P6102-16B
CAMERA SYSCON P6102-6B
HDN
VDN
FIELD
CLK1
CLK2
CLK36
CLK27
IC303
IC304
BUS TRANS EIVER
DIR
IC301
IC302
S-RAM
WE
DOE
IC305
IC306
B-D[0-7]
WD[0-7]
SHAD[15]
SHAD[16]
SHAD[17]
SHAD[18]
SHAD[19]
SHAD[20]
SHAD[21]
Q301
Q302
Q303
Q304
Q305
Q306
Q307
Q308
Q10~12
Q14~16
IC10
PEAK DET
Q17,19,21
Q13,IC10
VR1
CLIP
TP5
TP6
PEAK LVL2
PEAK LVL1
IC 307
IC308
CAMERA SYSCON P6102-12A
CAMERA SYSCON P6102-12B
WSH-SEL
BSH-SEL

DIGITAL SIGNAL PROCESS BLOCK DIAGRAM 2/2

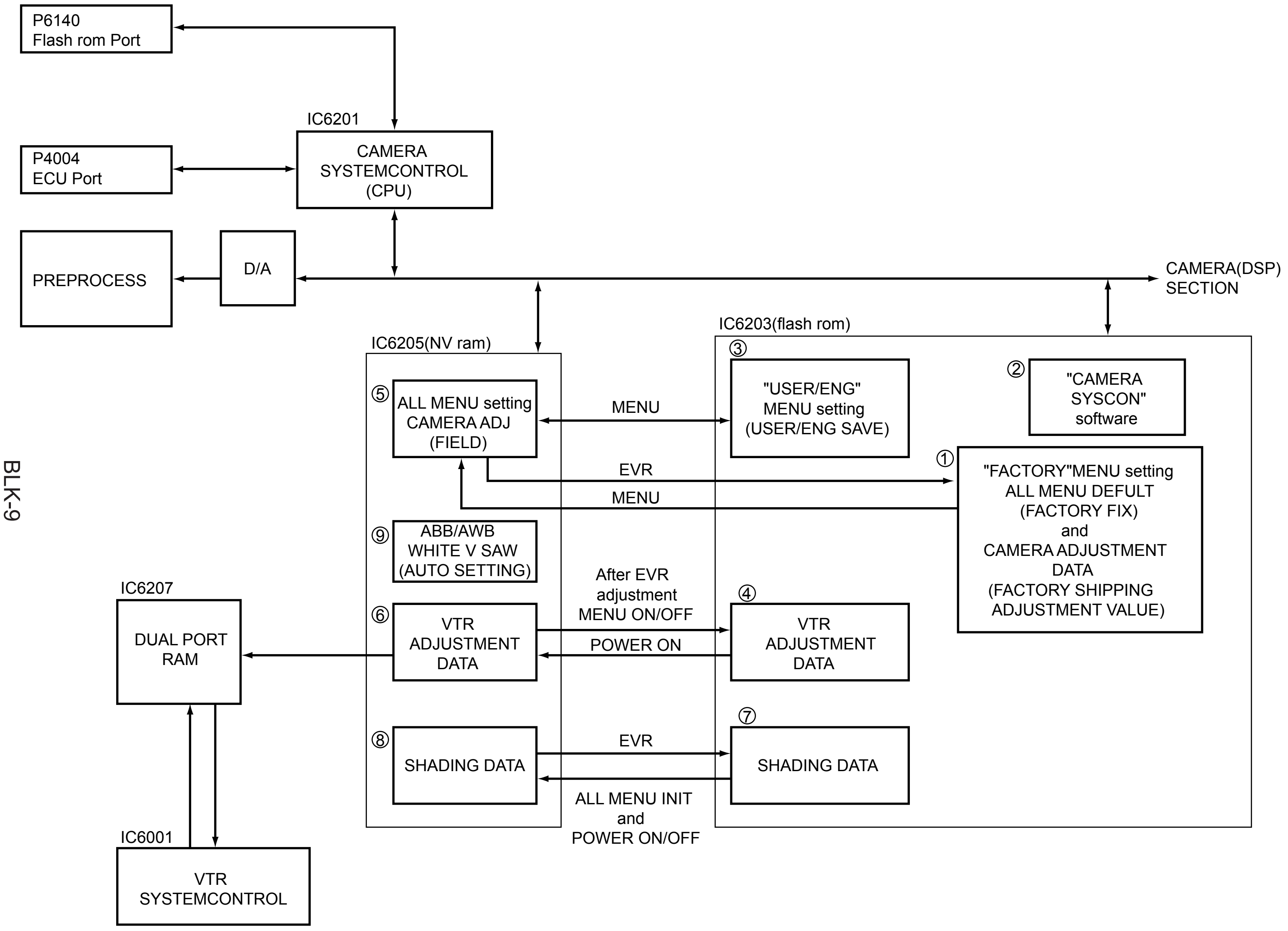

R IN
G IN
B IN
10
BLEMISH CORECTION
DL LINE (16:9/4:3)
16:9/4:3
R GAMMA
G GAMMA
B GAMMA
AUTO KNEE MANUAL KNEE
1H DELAY LINE
FROM 1H DELAY
<1H>
<0H>
<2H>
DNR DIGITAL NOISE REDUCTION
1/2 PITCH DELAY
Y' MATRIX
R MASKING (MATRIX)
G MASKING (MATRIX)
B MASKING (MATRIX)
SPATIAL OFFSET
COLOR BAR SWITCH
COLOR BAR GEN
Y MATRIX
PR, PB MATRIX
SETUP
DELAY
<DELAY Y>
<Y>
12
<R-Y>
<B-Y>
ZEBRA PATTERN GEN
MONITOR OUT
<MONITOR>
SAFTY ZONE GEN
BLOCK MEMORY
NAM MEMORY
MICOM I/F
8
SHADINNG PULSE GEN
CLOCK
4
1
CHROMA DETAIL
0HY' MATRIX
1HY' MATRIX
2HY' MATRIX
1H DELAY LINE
TO DNR
<0HY'>
<1HY'>
<2HY'>
2D LPF V DTL
LINE MIX
H DTL
LEVEL DEPENDENT
DTL GAIN(+/-)
DTL CLIP(+/-) CORING
SKIN TONE DTL

CAMERA ENCODER BLOCK DIAGRAM



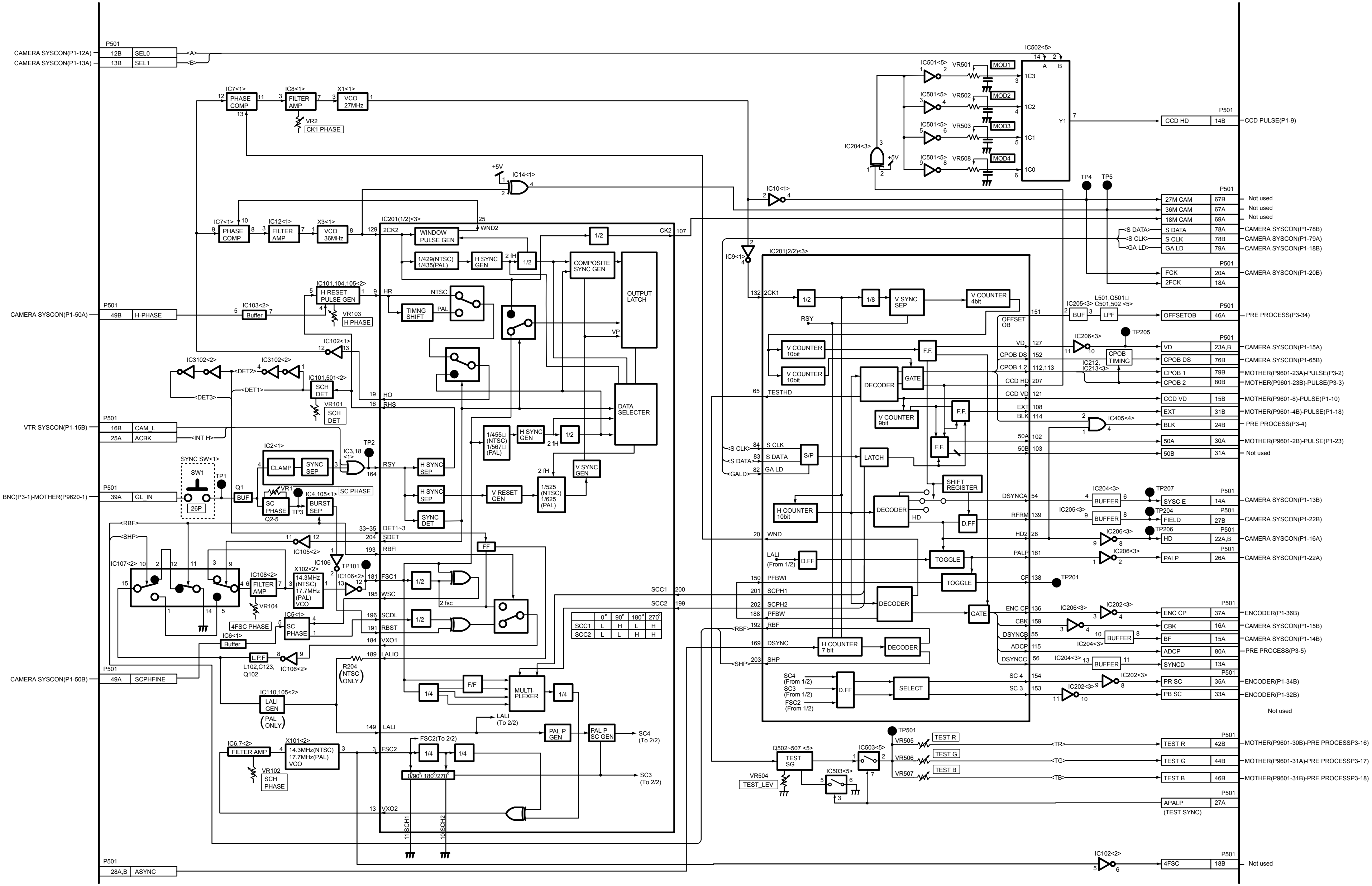
DSP MAIN P1-23A-CAMERA SYSCON P6102-23A -CAMERA SYSCON P6101-59B-MOTHER P9602-59B-MOTHER P9603-59A
DSP MAIN P1-29B-CAMERA SYSCON P6102-29B -CAMERA SYSCON P6101-24B-MOTHER P9602-24B-MOTHER P9603-28A
DSP MAIN P1-28A-CAMERA SYSCON P6102-28A -CAMERA SYSCON P6101-16B-MOTHER P9602-16B-MOTHER P9603-24A
CAM SYNC P3501-35A-MOTHER P9604-35A-MOTHER P9603-34B
CAM SYNC P3501-33A-MOTHER P9604-33A-MOTHER P9603-32B
CAMERA SYSCON P6101-12B-MOTHER P9602-12B-MOTHER P9603-54A
VTR SYSCON P6001-24A-MOTHER P9605-24A-MOTHER P9603-24B
VTR SYSCON P6001-25A-MOTHER P9605-25A-MOTHER P9603-25B
DSP MAIN P1-24B-CAMERA SYSCON P6102-24B -CAMERA SYSCON P6101-61B-MOTHER P9602-61B-MOTHER P9603-61A
DSP MAIN P1-26B-CAMERA SYSCON P6102-26B -CAMERA SYSCON P6101-63B-MOTHER P9602-63B-MOTHER P9603-63A
DSP MAIN P1-28B-CAMERA SYSCON P6102-28B -CAMERA SYSCON P6101-24A-MOTHER P9602-24A
CAMERA SYSCON P3501-28A,B-MOTHER P9604-28A,B
VTR SYSCON P6001-29A-MOTHER P9605-29A -MOTHER P9603-29A,B
DSP MAIN P1-25A-CAMERA SYSCON P6102-25A -CAMERA SYSCON P6101-57B-MOTHER P9602-57B-MOTHER P9603-57B
CAMERA SYSCON P3501-37A-MOTHER P9604-37A-MOTHER P9603-36B
DSP MAIN P1-29A-CAMERA SYSCON P6102-29A -CAMERA SYSCON P6101-25B-MOTHER P9602-25B-MOTHER P9603-28B
DSP MAIN P1-22B-CAMERA SYSCON P6102-22B -CAMERA SYSCON P6101-56B-MOTHER P9602-56B-MOTHER P9603-56A
VIDEO MAIN P3-1-MOTHER P9622-1-MOTHER P9603-37A
VIDEO I/F P1-78A-MOTHER P9607-78A-MOTHER P9603-39A
CAMERA SYSCON P6101-35A-MOTHER P9602-35A-MOTHER P9603-34A
CAMERA SYSCON P6101-36B-MOTHER P9602-36B-MOTHER P9603-35A
CAMERA SYSCON P6101-34A-MOTHER P9602-34A-MOTHER P9603-32A
CAMERA SYSCON P6101-41B-MOTHER P9602-41B-MOTHER P9603-13B
P1 A59 DY
P1 A28 A SYNC M
P1 A24 ABF
P1 B34 PR SC
P1 B32 PB SC
P1 A54 CB-H
P1 B24 CHARA
P1 B25 CHARA-BL
P1 A61 B-Y
P1 A63 R-Y
P1 B29 A SYNC
P1 A57 Y
P1 B36 ENC-CP
P1 B28 A SYNC IN
P1 A56 MON
P1 A37 PB SITE
P1 A39 RET BNC
P1 A34 VF SEL 1
P1 A35 VF SEL 2
P1 A32 MON SEL 1
P1 B13 CHARA SEL
TP200
FL200 FILTER
L201, C206,208 LPF
TP201
Q204 AMP
VR202 CAM-LEV
Q206,207 BUFFER
TP202
TP203
Q200 AMP
VR200
TP204 ENC SYNCLEV
Q218 AMP
L208,C204 C250,251 LPF
Q217 AMP
Q218 AMP
VR205
IC204 BALANCED MODULATOR
CLAMP
IC217 Q219
VR206 RY-BLK
Q202 AMP
SW200 ON OFF
Q203 AMP
VR201 C-LEV
SW1 26P
Q208 AMP
VR203 BURST LEV
VR207 BURST ϕ
VR103 ENC LEV
QR200 SW
TP205
IC207 Q223 CLAMP
IC205 BALANCED MODULATOR
Q220 AMP
L210,C265 C269,270 LPF
Q221 AMP
Q222 AMP
VR201
PB REV
VR209 BY-BLK
Q103 BUFFER
QUAD VC200
IC4
IC4
TP6
Q10 BUFFER
FL3 FILTER
IC13 AMP
IC14
Q11 BUFFER
IC15
Q12,13 BUFFER
TP7
+5V
Q106 BUFFER
IC11
Q7 BUFFER
IC12
Q8,9 BUFFER
TP5
TP4
Q6 BUFFER
FL2 FILTER
IC10 AMP
IC16,Q2 PEDESTAL CLAMP
SYNC LEV
VR1
TP1
FL1 FILTER
VR2 Y LEV
IC5 AMP
IC6
IC7
SW1 ON : MⅡ OFF : S
IC8
Q4,5 BUFFER
Q3 BUFFER
TP2
MON SYNC LEV
VR5
Q101 BUFFER
FL101 FILTER
VR102 MON-LEV
Q102 BUFFER
+B
IC101
IC102
IC212
IC105
PBK LEV
VR104
Q104 BUFFER
VR105
Q105 BUFFER
RET LEV
IC103 AMP
TP102
IC106 AMP
TP103
IC210
IC210
P1 CAM OUT A65
P1 CAM 26P B65
P1 PR-V B46
P1 PB-V B44
P1 PB-26P A48
P1 PR-26P B52
P1 Y-26P B48
P1 Y-V B42
P1 MON OUT B54
P1 VF OUT A52
MOTHER P9603-65A -MOTHER P9620-3-BNC P1-1
MOTHER P9603-65B -MOTHER P9617-8-26P CONNECTOR 1
MOTHER P9603-46B -MOTHER P9607-57A-VIDEO I/F P1-57A
MOTHER P9603-44B -MOTHER P9607-55A-VIDEO I/F P1-55A
MOTHER P9603-48A -MOTHER P9617-2-26P CONNECTOR 7
MOTHER P9603-52B -MOTHER P9617-4-26P CONNECTOR 5
MOTHER P9603-48B -MOTHER P9617-6-26P CONNECTOR 4
MOTHER P9603-42B -MOTHER P9607-53A-VIDEO I/F P1-53A
MOTHER P9603-54B -MOTHER P9616-3-REAR JACK P1006-1
MOTHER P9603-52A -MOTHER P9613-13-EVF CONNECTOR-6
IC101 CHARACTER ADDER (VF System)
IC102 PB/RET/MON/ENC SW
IC105 PB/RET/MON(CHARA ADDED) SW
IC212 CHARACTER ADDER(MON OUT System)

CAMERA SYSCON BLOCK DIAGRAM


P6140
Flash rom Port
P4004
ECU Port
IC6201
CAMERA
SYSTEMCONTROL
(CPU)
PREPROCESS
D/A
CAMERA(DSP)
SECTION
IC6205(NV ram)
IC6203(flash rom)
⑤ ALL MENU setting
CAMERA ADJ
(FIELD)
MENU
③ "USER/ENG"
MENU setting
(USER/ENG SAVE)
② "CAMERA
SYSCON"
software
EVR
MENU
① "FACTORY"MENU setting
ALL MENU DEFULT
(FACTORY FIX)
and
CAMERA ADJUSTMENT
DATA
(FACTORY SHIPPING
ADJUSTMENT VALUE)
⑨ ABB/AWB
WHITE V SAW
(AUTO SETTING)
IC6207
DUAL PORT
RAM
⑥ VTR
ADJUSTMENT
DATA
After EVR
adjustment
MENU ON/OFF
POWER ON
④ VTR
ADJUSTMENT
DATA
⑧ SHADING DATA
EVR
ALL MENU INIT
and
POWER ON/OFF
⑦ SHADING DATA
IC6001
VTR
SYSTEMCONTROL

	FACTORY	FIELD
CAMERA ADJ.	IC6203 ①	IC6205 ⑤
VTR ADJ.	IC6204 ④	IC6205 ⑥
MENU DEFAULT (OR SAVE)	IC6203 ①	IC6205 ⑤
USER MENU	IC6204 ①	IC6203 ③
SHADING	IC6203 ⑦	IC6205 ⑧
ABB/AWB WHITE VSAW	NOT EXIST	IC6205 ⑨

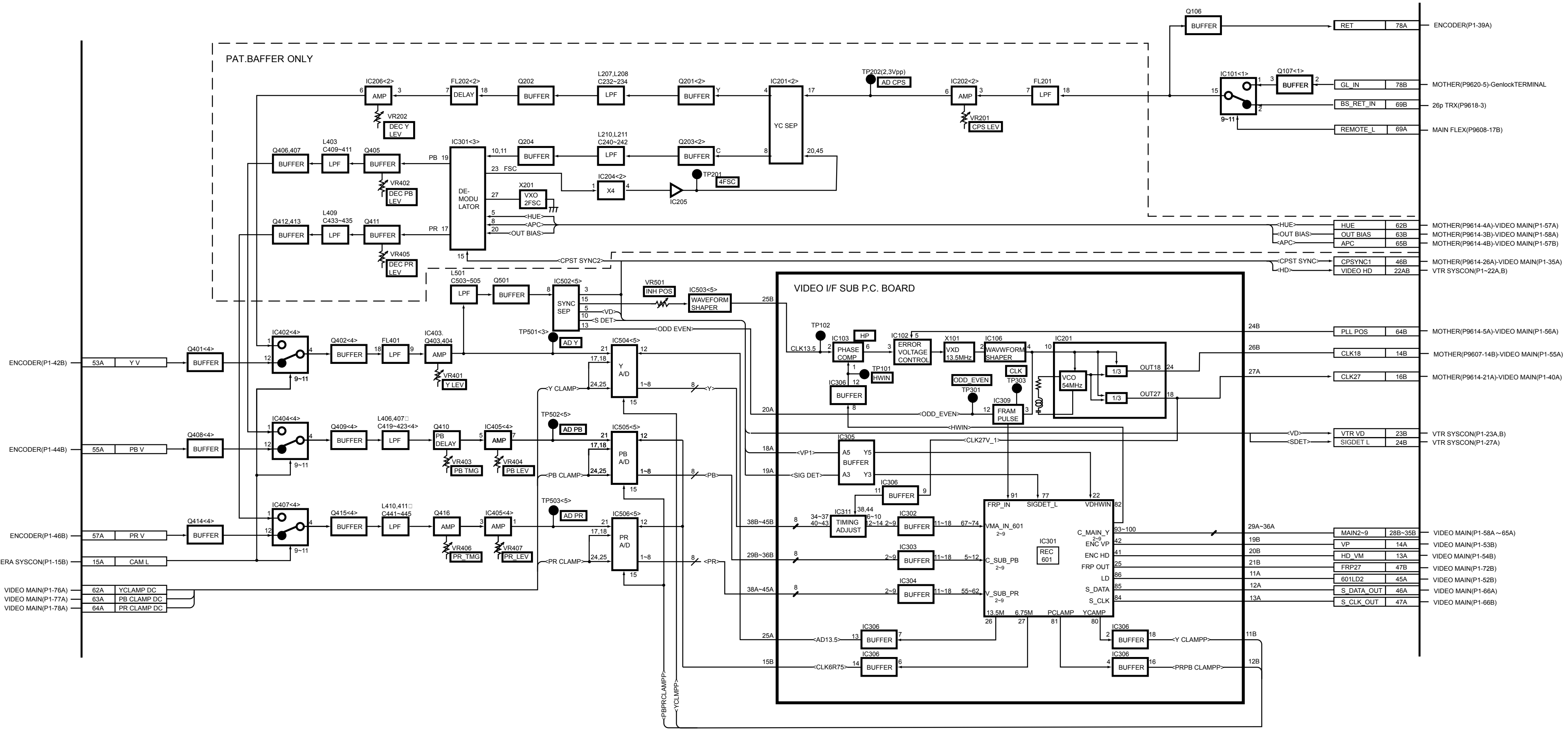
CAMERA SYNC BLOCK DIAGRAM


P501
CAMERA SYSCON(P1-12A)
CAMERA SYSCON(P1-13A)
12B SEL0
13B SEL1
<A>
<B>
IC7<1> PHASE COMP
IC8<1> FILTER AMP
VR2 CK1 PHASE
X1<1> VCO 27MHz
IC7<1> PHASE COMP
IC12<1> FILTER AMP
X3<1> VCO 36MHz
IC14<1>
+5V
WND2
IC201(1/2)<3>
2CK2
CK2
WINDOW PULSE GEN
1/429(NTSC) 1/435(PAL)
H SYNC GEN
2 fH
1/2
COMPOSITE SYNC GEN
OUTPUT LATCH
VP
CAMERA SYSCON(P1-50A)
49B H-PHASE
IC103<2> Buffer
IC101,104,105<2> H RESET PULSE GEN
VR103 H PHASE
HR
NTSC
PAL
TIMNG SHIFT
IC102<1>
IC3102<2>
<DET2>
<DET1>
<DET3>
IC101,501<2> SCH DET
VR101 SCH DET
HO
RHS
DATA SELECTER
1/455 (NTSC) 1/567 (PAL)
H SYNC GEN
VTR SYSCON(P1-15B)
16B CAM_L
25A ACBK
<INT H>
IC2<1> CLAMP SYNC SEP
IC3,18 <1>
TP2
RSY
H SYNC SEP
V SYNC GEN
1/525 (NTSC) 1/625 (PAL)
V RESET GEN
SYNC DET
SYNC SW<1>
SW1
26P
TP1
Q1 BUF
BNC(P3-1)-MOTHER(P9620-1)
39A GL_IN
SC PHASE
VR1
IC4,105<1> SC PHASE
BURST SEP
TP3
Q2-5
DET1~3
SDET
RBFI
<RBF>
<SHP>
IC107<2>
IC108<2> FILTER AMP
VR104 4FSC PHASE
X102<2> 14.3MHz (NTSC) 17.7MHz (PAL) VCO
IC105<2>
IC106
TP101
IC106<2>
FSC1
WSC
SCDL
RBST
VXO1
LALIO
IC5<1> SC PHASE
IC6<1> Buffer
L.P.F L102,C123, Q102
IC106<2>
R204 (NTSC ONLY)
FF
2 fsc
F/F
MULTI-PLEXER
1/4
CAMERA SYSCON(P1-50B)
49A SCPHFINE
IC110,105<2> LALI GEN (PAL ONLY)
LALI
LALI (To 2/2)
PAL P GEN
PAL P SC GEN
SC4 (To 2/2)
SC3 (To 2/2)
IC6,7<2> FILTER AMP
VR102 SCH PHASE
X101<2> 14.3MHz(NTSC) 17.7MHz(PAL) VCO
FSC2
FSC2(To 2/2)
0°/90°/180°/270°
VXO2
SCH1
SCH2
SCC1
SCC2
28A,B ASYNC
IC502<5>
A B
Y1
IC501<5>
VR501 MOD1
VR502 MOD2
VR503 MOD3
VR508 MOD4
1C3 1C2 1C1 1C0
IC204<3>
CCD HD 14B CCD PULSE(P1-9)
TP4 TP5
IC10<1>
IC9<1>
27M CAM 67B Not used
36M CAM 67A Not used
18M CAM 69A Not used
<S DATA> S DATA 78A CAMERA SYSCON(P1-78B)
<S CLK> S CLK 78B CAMERA SYSCON(P1-79A)
<GA LD> GA LD 79A CAMERA SYSCON(P1-18B)
FCK 20A CAMERA SYSCON(P1-20B)
2FCK 18A
IC201(2/2)<3>
2CK1
1/2
1/8
V SYNC SEP
V COUNTER 4bit
OFFSET OB
RSY
IC205<3> BUF
L501,Q501 C501,502 <5> LPF
OFFSETOB 46A PRE PROCESS(P3-34)
TP205
V COUNTER 10bit
F.F.
IC206<3>
CPOB TIMING
IC212, IC213<3>
VD 23A,B CAMERA SYSCON(P1-15A)
CPOB DS 76B CAMERA SYSCON(P1-65B)
CPOB 1 79B MOTHER(P9601-23A)-PULSE(P3-2)
CPOB 2 80B MOTHER(P9601-23B)-PULSE(P3-3)
DECODER
GATE
TESTHD
CCD VD 15B MOTHER(P9601-8)-PULSE(P1-10)
V COUNTER 9bit
EXT 31B MOTHER(P9601-4B)-PULSE(P1-18)
IC405<4>
BLK 24B PRE PROCESS(P3-4)
50A 30A MOTHER(P9601-2B)-PULSE(P1-23)
50B 31A Not used
<S CLK> S CLK
<S DATA> S DATA
<GALD> GA LD
S/P
LATCH
SHIFT REGISTER
H COUNTER 10bit
HD
D.FF
DSYNCA
IC204<3> BUFFER
TP207
SYSC E 14A CAMERA SYSCON(P1-13B)
RFRM
IC205<3> BUFFER
TP204
FIELD 27B CAMERA SYSCON(P1-22B)
WND
HD2
TP206
HD 22A,B CAMERA SYSCON(P1-16A)
LALI (From 1/2)
TOGGLE
PALP 26A CAMERA SYSCON(P1-22A)
PFBWI
CF
TP201
SCPH1
SCPH2
PFBW
ENC CP
IC202<3>
ENC CP 37A ENCODER(P1-36B)
CBK 16A CAMERA SYSCON(P1-15B)
DSYNCB
BF 15A CAMERA SYSCON(P1-14B)
ADCP 80A PRE PROCESS(P3-5)
DSYNCC
SYNCD 13A
RBF
DSYNC
H COUNTER 7 bit
SHP
SC4 (From 1/2)
SC3 (From 1/2)
FSC2 (From 1/2)
SELECT
PR SC 35A ENCODER(P1-34B)
PB SC 33A ENCODER(P1-32B)
Not used
TP501
Q502~507 <5> TEST SG
VR504 TEST_LEV
IC503<5>
VR505 TEST R
VR506 TEST G
VR507 TEST B
<TR> TEST R 42B MOTHER(P9601-30B)-PRE PROCESSP3-16)
<TG> TEST G 44B MOTHER(P9601-31A)-PRE PROCESSP3-17)
<TB> TEST B 46B MOTHER(P9601-31B)-PRE PROCESSP3-18)
APALP 27A (TEST SYNC)
IC102<2>
4FSC 18B Not used

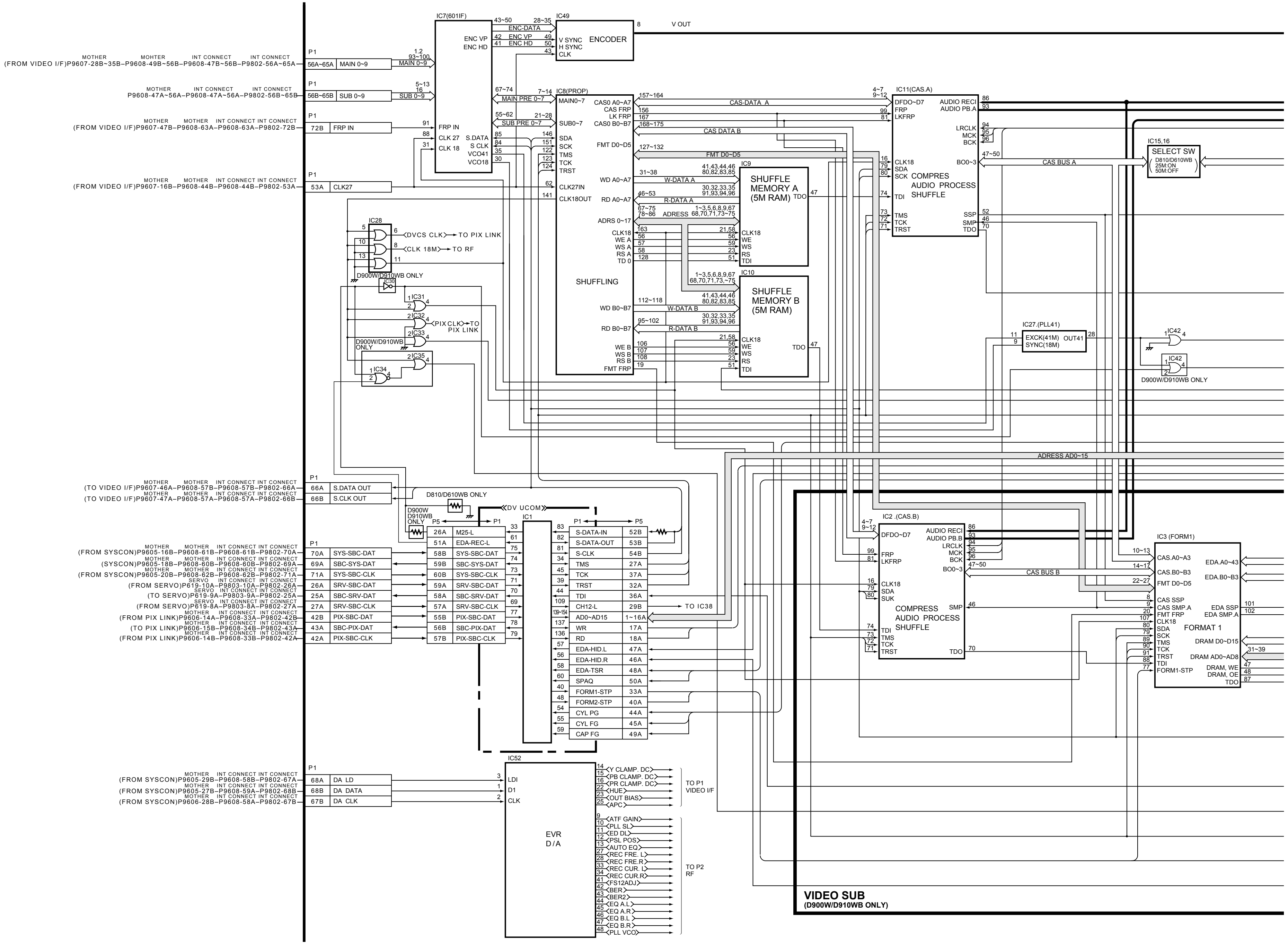
	0°	90°	180°	270°
SCC1	L	H	L	H
SCC2	L	L	H	H

VIDEO I/F_VIDEO I/F SUB BLOCK DIAGRAM

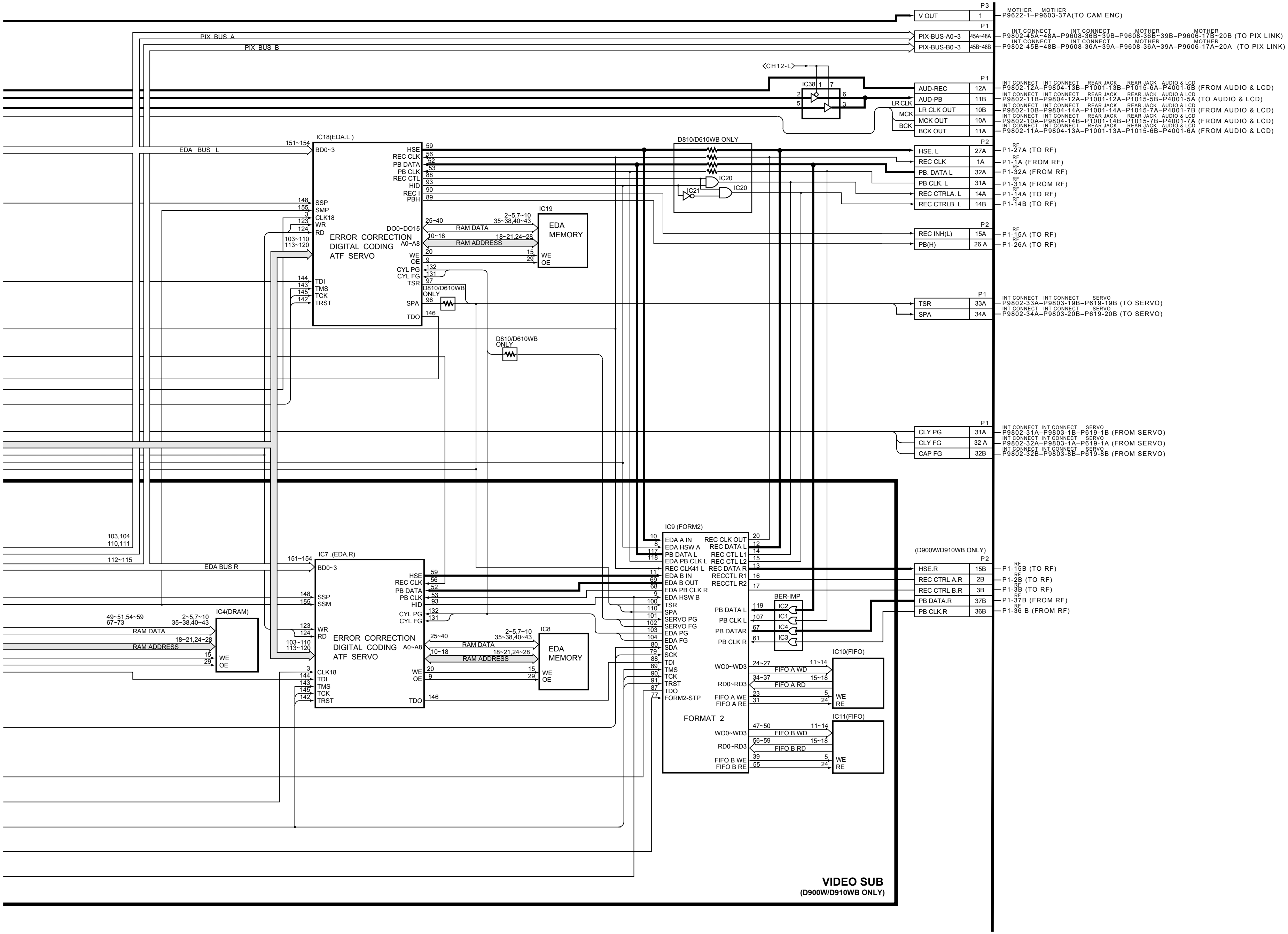
BLK-11


PAT.BAFFER ONLY
VIDEO I/F SUB P.C. BOARD
ENCODER(P1-42B)
53A
Y V
ENCODER(P1-44B)
55A
PB V
ENCODER(P1-46B)
57A
PR V
CAMERA SYSCON(P1-15B)
15A
CAM L
VIDEO MAIN(P1-76A)
62A
YCLAMP DC
VIDEO MAIN(P1-77A)
63A
PB CLAMP DC
VIDEO MAIN(P1-78A)
64A
PR CLAMP DC
Q401<4>
BUFFER
Q408<4>
BUFFER
Q414<4>
BUFFER
IC402<4>
IC404<4>
IC407<4>
9~11
Q402<4>
BUFFER
FL401
LPF
IC403,Q403,404
AMP
VR401
Y LEV
Q409<4>
BUFFER
L406,407
C419~423<4>
LPF
Q410
PB DELAY
VR403
PB TMG
IC405<4>
AMP
VR404
PB LEV
Q415<4>
BUFFER
L410,411
C441~445
LPF
Q416
AMP
VR406
PR_TMG
IC405<4>
AMP
VR407
PR_LEV
TP501<3>
AD Y
TP502<5>
AD PB
TP503<5>
AD PR
IC504<5>
Y A/D
IC505<5>
PB A/D
IC506<5>
PR A/D
<Y CLAMP>
<PB CLAMP>
<PR CLAMP>
<Y>
<PB>
<PR>
<PBPRCLAMPP>
<YCLMPP>
L501
C503~505
LPF
Q501
BUFFER
IC502<5>
SYNC SEP
<VD>
<S DET>
<ODD EVEN>
VR501
INH POS
IC503<5>
WAVEFORM SHAPER
IC206<2>
AMP
VR202
DEC Y LEV
FL202<2>
DELAY
Q202
BUFFER
L207,L208
C232~234
LPF
Q201<2>
BUFFER
IC201<2>
YC SEP
TP202(2.3Vpp)
AD CPS
IC202<2>
AMP
VR201
CPS LEV
FL201
LPF
Q406,407
BUFFER
L403
C409~411
LPF
Q405
BUFFER
VR402
DEC PB LEV
IC301<3>
DE-MODU LATOR
Q204
BUFFER
L210,L211
C240~242
LPF
Q203<2>
BUFFER
X201
VXO 2FSC
IC204<2>
X4
IC205
TP201
4FSC
Q412,413
BUFFER
L409
C433~435
LPF
Q411
BUFFER
VR405
DEC PR LEV
<HUE>
<APC>
<OUT BIAS>
<CPST SYNC2>
Q106
BUFFER
IC101<1>
Q107<1>
BUFFER
RET
78A
ENCODER(P1-39A)
GL_IN
78B
MOTHER(P9620-5)-GenlockTERMINAL
BS_RET_IN
69B
26p TRX(P9618-3)
REMOTE_L
69A
MAIN FLEX(P9608-17B)
HUE
62B
MOTHER(P9614-4A)-VIDEO MAIN(P1-57A)
OUT BIAS
63B
MOTHER(P9614-3B)-VIDEO MAIN(P1-58A)
APC
65B
MOTHER(P9614-4B)-VIDEO MAIN(P1-57B)
<CPST SYNC>
CPSYNC1
46B
MOTHER(P9614-26A)-VIDEO MAIN(P1-35A)
<HD>
VIDEO HD
22AB
VTR SYSCON(P1~22A,B)
TP102
IC103
PHASE COMP
HP
IC102
ERROR VOLTAGE CONTROL
X101
VXD 13.5MHz
IC106
WAVWFORM SHAPER
IC201
VCO 54MHz
1/3
OUT18
OUT27
TP101
HWIN
CLK
TP303
ODD_EVEN
TP301
IC309
FRAM PULSE
IC306
BUFFER
CLK13.5
<ODD_EVEN>
<HWIN>
<CLK27V_1>
IC305
A5 BUFFER A3
Y5 Y3
<VP1>
<SIG DET>
IC311
TIMING ADJUST
IC302
BUFFER
IC303
BUFFER
IC304
BUFFER
IC301
FRP_IN
SIGDET_L
VDHWIN
VMA_IN_601
C_SUB_PB
V_SUB_PR
REC 601
C_MAIN_Y
ENC VP
ENC HD
FRP OUT
LD
S_DATA
S_CLK
13.5M
6.75M
PCLAMP
YCAMP
<AD13.5>
<CLK6R75>
<Y CLAMPP>
<PRPB CLAMPP>
25B
20A
18A
19A
38B~45B
29B~36B
38A~45A
25A
15B
24B
26B
27A
29A~36A
19B
20B
21B
11A
12A
13A
11B
12B
PLL POS
64B
MOTHER(P9614-5A)-VIDEO MAIN(P1-56A)
CLK18
14B
MOTHER(P9607-14B)-VIDEO MAIN(P1-55A)
CLK27
16B
MOTHER(P9614-21A)-VIDEO MAIN(P1-40A)
<VD>
VTR VD
23B
VTR SYSCON(P1-23A,B)
<SDET>
SIGDET L
24B
VTR SYSCON(P1-27A)
MAIN2~9
28B~35B
VIDEO MAIN(P1-58A～65A)
VP
14A
VIDEO MAIN(P1-53B)
HD_VM
13A
VIDEO MAIN(P1-54B)
FRP27
47B
VIDEO MAIN(P1-72B)
601LD2
45A
VIDEO MAIN(P1-52B)
S_DATA_OUT
46A
VIDEO MAIN(P1-66A)
S_CLK_OUT
47A
VIDEO MAIN(P1-66B)

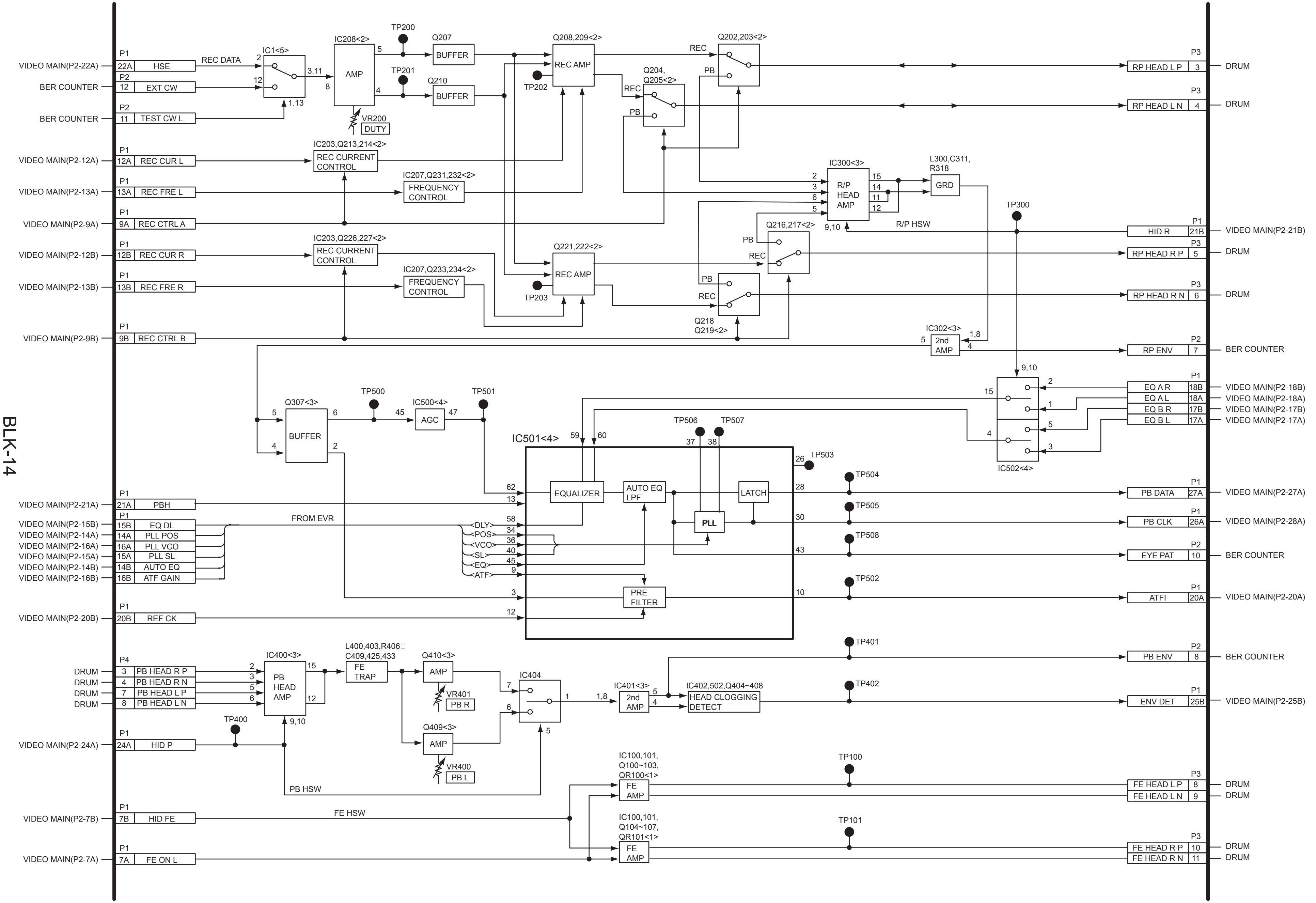
VIDEO MAIN / VIDEO SUB BLOCK DIAGRAM 1/2


IC7(601IF)
IC49
ENCODER
V OUT
ENC-DATA
ENC VP
ENC HD
V SYNC
H SYNC
CLK
(FROM VIDEO I/F)P9607-28B~35B–P9608-49B~56B–P9608-47B~56B–P9802-56A~65A
P1
56A~65A MAIN 0~9
P9608-47A~56A–P9608-47A~56A–P9802-56B~65B
56B~65B SUB 0~9
(FROM VIDEO I/F)P9607-47B–P9608-63A–P9608-63A–P9802-72B
72B FRP IN
(FROM VIDEO I/F)P9607-16B–P9608-44B–P9608-44B–P9802-53A
53A CLK27
FRP IN
CLK 27
CLK 18
S.DATA
S CLK
VCO41
VCO18
IC8(PROP)
MAIN PRE 0~7
SUB PRE 0~7
MAIN0~7
SUB0~7
SDA
SCK
TMS
TCK
TRST
CLK27IN
CLK18OUT
SHUFFLING
CAS0 A0~A7
CAS FRP
LK FRP
CAS0 B0~B7
FMT D0~D5
WD A0~A7
RD A0~A7
ADRS 0~17
CLK18
WE A
WS A
RS A
TD 0
WD B0~B7
RD B0~B7
WE B
WS B
RS B
FMT FRP
CAS-DATA A
CAS DATA B
W-DATA A
R-DATA A
ADRESS
W-DATA B
R-DATA B
IC9
SHUFFLE MEMORY A (5M RAM)
IC10
SHUFFLE MEMORY B (5M RAM)
TDO
IC11(CAS.A)
DFDO~D7
FRP
LKFRP
CLK18
SDA
SCK
TDI
TMS
TCK
TRST
COMPRES AUDIO PROCESS SHUFFLE
AUDIO RECI
AUDIO PB.A
LRCLK
MCK
BCK
BO0~3
SSP
SMP
TDO
IC15,16
SELECT SW
D810/D610WB 25M:ON 50M:OFF
CAS BUS A
IC28
DVCS CLK → TO PIX LINK
CLK 18M → TO RF
D900W/D910WB ONLY
IC30
IC31
IC32
PIX CLK → TO PIX LINK
IC33
IC34
IC35
IC27.(PLL41)
EXCK(41M)
SYNC(18M)
OUT41
IC42
ADRESS AD0~15
(TO VIDEO I/F)P9607-46A–P9608-57B–P9608-57B–P9802-66A
66A S.DATA OUT
(TO VIDEO I/F)P9607-47A–P9608-57A–P9608-57A–P9802-66B
66B S.CLK OUT
D810/D610WB ONLY
DV UCOM
IC1
P5
26A M25-L
51A EDA-REC-L
(FROM SYSCON)P9605-16B–P9608-61B–P9608-61B–P9802-70A
70A SYS-SBC-DAT
58B SYS-SBC-DAT
(SYSCON)P9605-18B–P9608-60B–P9608-60B–P9802-69A
69A SBC-SYS-DAT
59B SBC-SYS-DAT
(FROM SYSCON)P9605-20B–P9608-62B–P9608-62B–P9802-71A
71A SYS-SBC-CLK
60B SYS-SBC-CLK
(FROM SERVO)P619-10A–P9803-10A–P9802-26A
26A SRV-SBC-DAT
59A SRV-SBC-DAT
(TO SERVO)P619-9A–P9803-9A–P9802-25A
25A SBC-SRV-DAT
58A SBC-SRV-DAT
(FROM SERVO)P619-8A–P9803-8A–P9802-27A
27A SRV-SBC-CLK
57A SRV-SBC-CLK
(FROM PIX LINK)P9606-14A–P9608-33A–P9802-42B
42B PIX-SBC-DAT
55B PIX-SBC-DAT
(TO PIX LINK)P9606-15B–P9608-34B–P9802-43A
43A SBC-PIX-DAT
56B SBC-PIX-DAT
(FROM PIX LINK)P9606-14B–P9608-33B–P9802-42A
42A PIX-SBC-CLK
57B PIX-SBC-CLK
S-DATA-IN 52B
S-DATA-OUT 53B
S-CLK 54B
TMS 27A
TCK 37A
TRST 32A
TDI 36A
CH12-L 29B → TO IC38
AD0~AD15 1~16A
WR 17A
RD 18A
EDA-HID.L 47A
EDA-HID.R 46A
EDA-TSR 48A
SPAQ 50A
FORM1-STP 33A
FORM2-STP 40A
CYL PG 44A
CYL FG 45A
CAP FG 49A
IC2 .(CAS.B)
DFDO~D7
FRP
LKFRP
CLK18
SDA
SUK
COMPRESS AUDIO PROCESS SHUFFLE
AUDIO RECI
AUDIO PB.B
LRCLK
MCK
BCK
BO0~3
SMP
TDO
CAS BUS B
IC3 (FORM1)
CAS.A0~A3
CAS.B0~B3
FMT D0~D5
CAS SSP
CAS SMP.A
FMT FRP
CLK18
SDA
SCK
TMS
TCK
TRST
TDI
FORM1-STP
FORMAT 1
EDA.A0~43
EDA.B0~B3
EDA SSP
EDA SMP.A
DRAM D0~D15
DRAM AD0~AD8
DRAM, WE
DRAM, OE
TDO
IC52
(FROM SYSCON)P9605-29B–P9608-58B–P9802-67A
68A DA LD
(FROM SYSCON)P9605-27B–P9608-59A–P9802-68B
68B DA DATA
(FROM SYSCON)P9606-28B–P9608-58A–P9802-67B
67B DA CLK
LDI
D1
CLK
EVR D/A
Y CLAMP. DC
PB CLAMP. DC
PR CLAMP. DC
HUE
OUT BIAS
APC
TO P1 VIDEO I/F
ATF GAIN
PLL SL
ED DL
PSL POS
AUTO EQ
REC FRE. L
REC FRE.R
REC CUR. L
REC CUR.R
FS12ADJ
BER
BER2
EQ A.L
EQ A.R
EQ B.L
EQ B.R
PLL VCO
TO P2 RF
VIDEO SUB (D900W/D910WB ONLY)

VIDEO MAIN / VIDEO SUB BLOCK DIAGRAM 2/2

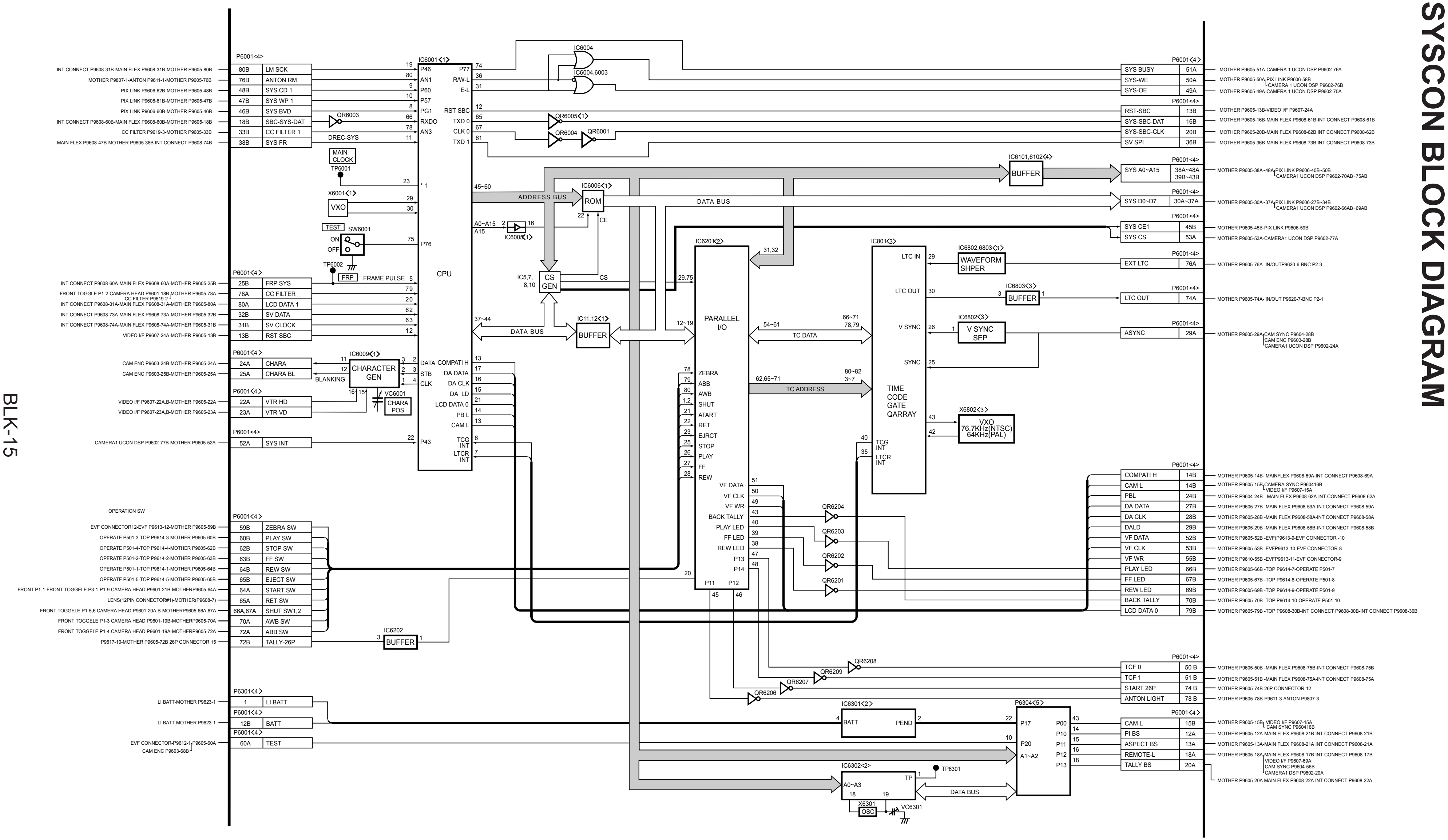

PIX BUS A
PIX BUS B
EDA BUS L
EDA BUS R
IC18(EDA.L)
BD0~3
SSP
SMP
CLK18
WR
RD
ERROR CORRECTION
DIGITAL CODING
ATF SERVO
TDI
TMS
TCK
TRST
HSE
REC CLK
PB DATA
PB CLK
REC CTL
HID
REC I
PBH
DO0~DO15
A0~A8
WE
OE
CYL PG
CYL FG
TSR
SPA
TDO
D810/D610WB ONLY
RAM DATA
RAM ADDRESS
IC19
EDA MEMORY
IC7 (EDA.R)
SSM
IC4(DRAM)
IC8
IC38
IC20
IC21
(CH12-L)
LR CLK
MCK
BCK
IC9 (FORM2)
EDA A IN
EDA HSW A
PB DATA L
EDA PB CLK L
REC CLK41 L
EDA B IN
EDA B OUT
EDA PB CLK R
EDA HSW B
SERVO PG
SERVO FG
EDA PG
EDA FG
SDA
SCK
FORM2-STP
REC CLK OUT
REC DATA L
REC CTL L1
REC CTL L2
REC DATA R
RECCTL R1
RECCTL R2
FORMAT 2
PB DATA L
PB CLK L
PB DATAR
PB CLK R
BER-IMP
IC2
IC1
IC4
IC3
WO0~WD3
RD0~RD3
FIFO A WE
FIFO A RE
FIFO B WE
FIFO B RE
FIFO A WD
FIFO A RD
FIFO B WD
FIFO B RD
IC10(FIFO)
IC11(FIFO)
VIDEO SUB
(D900W/D910WB ONLY)
P3
V OUT 1 P9622-1–P9603-37A(TO CAM ENC)
P1
PIX-BUS-A0~3 45A~48A P9802-45A~48A–P9608-36B~39B–P9608-36B~39B–P9606-17B~20B (TO PIX LINK)
PIX-BUS-B0~3 45B~48B P9802-45B~48B–P9608-36A~39A–P9608-36A~39A–P9606-17A~20A (TO PIX LINK)
AUD-REC 12A P9802-12A–P9804-13B–P1001-13B–P1015-6A–P4001-6B (FROM AUDIO & LCD)
AUD-PB 11B P9802-11B–P9804-12A–P1001-12A–P1015-5B–P4001-5A (TO AUDIO & LCD)
LR CLK OUT 10B P9802-10B–P9804-14A–P1001-14A–P1015-7A–P4001-7B (FROM AUDIO & LCD)
MCK OUT 10A P9802-10A–P9804-14B–P1001-14B–P1015-7B–P4001-7A (FROM AUDIO & LCD)
BCK OUT 11A P9802-11A–P9804-13A–P1001-13A–P1015-6B–P4001-6A (FROM AUDIO & LCD)
INT CONNECT INT CONNECT REAR JACK REAR JACK AUDIO & LCD
P2
HSE. L 27A P1-27A (TO RF)
REC CLK 1A P1-1A (FROM RF)
PB. DATA L 32A P1-32A (FROM RF)
PB CLK. L 31A P1-31A (FROM RF)
REC CTRLA. L 14A P1-14A (TO RF)
REC CTRLB. L 14B P1-14B (TO RF)
P2
REC INH(L) 15A P1-15A (TO RF)
PB(H) 26 A P1-26A (TO RF)
P1
TSR 33A P9802-33A–P9803-19B–P619-19B (TO SERVO)
SPA 34A P9802-34A–P9803-20B–P619-20B (TO SERVO)
P1
CLY PG 31A P9802-31A–P9803-1B–P619-1B (FROM SERVO)
CLY FG 32 A P9802-32A–P9803-1A–P619-1A (FROM SERVO)
CAP FG 32B P9802-32B–P9803-8B–P619-8B (FROM SERVO)
(D900W/D910WB ONLY)
P2
HSE.R 15B P1-15B (TO RF)
REC CTRL A.R 2B P1-2B (TO RF)
REC CTRL B.R 3B P1-3B (TO RF)
PB DATA.R 37B P1-37B (FROM RF)
PB CLK.R 36B P1-36 B (FROM RF)
RF
MOTHER
INT CONNECT
SERVO

RF BLOCK DIAGRAM



VIDEO MAIN(P2-22A)
BER COUNTER
BER COUNTER
VIDEO MAIN(P2-12A)
VIDEO MAIN(P2-13A)
VIDEO MAIN(P2-9A)
VIDEO MAIN(P2-12B)
VIDEO MAIN(P2-13B)
VIDEO MAIN(P2-9B)
VIDEO MAIN(P2-21A)
VIDEO MAIN(P2-15B)
VIDEO MAIN(P2-14A)
VIDEO MAIN(P2-16A)
VIDEO MAIN(P2-15A)
VIDEO MAIN(P2-14B)
VIDEO MAIN(P2-16B)
VIDEO MAIN(P2-20B)
DRUM
DRUM
DRUM
DRUM
VIDEO MAIN(P2-24A)
VIDEO MAIN(P2-7B)
VIDEO MAIN(P2-7A)
P1 22A HSE
P2 12 EXT CW
P2 11 TEST CW L
P1 12A REC CUR L
P1 13A REC FRE L
P1 9A REC CTRL A
P1 12B REC CUR R
P1 13B REC FRE R
P1 9B REC CTRL B
P1 21A PBH
P1 15B EQ DL
14A PLL POS
16A PLL VCO
15A PLL SL
14B AUTO EQ
16B ATF GAIN
P1 20B REF CK
P4 3 PB HEAD R P
4 PB HEAD R N
7 PB HEAD L P
8 PB HEAD L N
P1 24A HID P
P1 7B HID FE
P1 7A FE ON L
REC DATA
IC1<5>
2
12
3,11
1,13
IC208<2>
AMP
5
4
8
VR200
DUTY
TP200
TP201
Q207
BUFFER
Q210
BUFFER
Q208,209<2>
REC AMP
TP202
Q204,
Q205<2>
REC
PB
Q202,203<2>
REC
PB
IC203,Q213,214<2>
REC CURRENT CONTROL
IC207,Q231,232<2>
FREQUENCY CONTROL
IC300<3>
R/P HEAD AMP
2
3
6
5
15
14
11
12
9,10
L300,C311,
R318
GRD
TP300
R/P HSW
IC203,Q226,227<2>
REC CURRENT CONTROL
IC207,Q233,234<2>
FREQUENCY CONTROL
Q221,222<2>
REC AMP
TP203
Q216,217<2>
PB
REC
PB
REC
Q218
Q219<2>
IC302<3>
2nd AMP
5
4
1,8
9,10
Q307<3>
BUFFER
5
6
4
2
TP500
IC500<4>
AGC
45
47
TP501
IC501<4>
59
60
TP506
TP507
37
38
26
TP503
62
13
EQUALIZER
AUTO EQ LPF
LATCH
PLL
28
30
43
10
FROM EVR
<DLY>
<POS>
<VCO>
<SL>
<EQ>
<ATF>
58
34
36
40
45
9
3
12
PRE FILTER
TP504
TP505
TP508
TP502
15
2
1
5
4
3
IC502<4>
IC400<3>
PB HEAD AMP
2
3
5
6
15
12
9,10
TP400
L400,403,R406
C409,425,433
FE TRAP
Q410<3>
AMP
VR401
PB R
Q409<3>
AMP
VR400
PB L
IC404
7
6
1
5
PB HSW
IC401<3>
1,8
2nd AMP
5
4
IC402,502,Q404~408
HEAD CLOGGING DETECT
TP401
TP402
IC100,101,
Q100~103,
QR100<1>
FE AMP
IC100,101,
Q104~107,
QR101<1>
FE AMP
FE HSW
TP100
TP101
P3 RP HEAD L P 3
P3 RP HEAD L N 4
P1 HID R 21B
P3 RP HEAD R P 5
P3 RP HEAD R N 6
P2 RP ENV 7
P1 EQ A R 18B
EQ A L 18A
EQ B R 17B
EQ B L 17A
P1 PB DATA 27A
P1 PB CLK 26A
P2 EYE PAT 10
P1 ATFI 20A
P2 PB ENV 8
P1 ENV DET 25B
P3 FE HEAD L P 8
FE HEAD L N 9
P3 FE HEAD R P 10
FE HEAD R N 11
DRUM
DRUM
VIDEO MAIN(P2-21B)
DRUM
DRUM
BER COUNTER
VIDEO MAIN(P2-18B)
VIDEO MAIN(P2-18A)
VIDEO MAIN(P2-17B)
VIDEO MAIN(P2-17A)
VIDEO MAIN(P2-27A)
VIDEO MAIN(P2-28A)
BER COUNTER
VIDEO MAIN(P2-20A)
BER COUNTER
VIDEO MAIN(P2-25B)
DRUM
DRUM
DRUM
DRUM

VTR SYSCON BLOCK DIAGRAM


P6001<4>
INT CONNECT P9608-31B-MAIN FLEX P9608-31B-MOTHER P9605-80B | 80B | LM SCK
MOTHER P9807-1-ANTON P9611-1-MOTHER P9605-76B | 76B | ANTON RM
PIX LINK P9606-62B-MOTHER P9605-48B | 48B | SYS CD 1
PIX LINK P9606-61B-MOTHER P9605-47B | 47B | SYS WP 1
PIX LINK P9606-60B-MOTHER P9605-46B | 46B | SYS BVD
INT CONNECT P9608-60B-MAIN FLEX P9608-60B-MOTHER P9605-18B | 18B | SBC-SYS-DAT
CC FILTER P9619-3-MOTHER P9605-33B | 33B | CC FILTER 1
MAIN FLEX P9608-47B-MOTHER P9605-38B INT CONNECT P9608-74B | 38B | SYS FR
QR6003
DREC-SYS
MAIN CLOCK
TP6001
X6001<1>
VXO
TEST
SW6001
ON
OFF
TP6002
FRP
FRAME PULSE
P6001<4>
INT CONNECT P9608-60A-MAIN FLEX P9608-60A-MOTHER P9605-25B | 25B | FRP SYS
FRONT TOGGLE P1-2-CAMERA HEAD P9601-18B-MOTHER P9605-78A
CC FILTER P9619-2 | 78A | CC FILTER
INT CONNECT P9608-31A-MAIN FLEX P9608-31A-MOTHER P9605-80A | 80A | LCD DATA 1
INT CONNECT P9608-73A-MAIN FLEX P9608-73A-MOTHER P9605-32B | 32B | SV DATA
INT CONNECT P9608-74A-MAIN FLEX P9608-74A-MOTHER P9605-31B | 31B | SV CLOCK
VIDEO I/F P9607-24A-MOTHER P9605-13B | 13B | RST SBC
P6001<4>
CAM ENC P9603-24B-MOTHER P9605-24A | 24A | CHARA
CAM ENC P9603-25B-MOTHER P9605-25A | 25A | CHARA BL
BLANKING
IC6009<1>
CHARACTER GEN
VC6001
CHARA POS
P6001<4>
VIDEO I/F P9607-22A,B-MOTHER P9605-22A | 22A | VTR HD
VIDEO I/F P9607-23A,B-MOTHER P9605-23A | 23A | VTR VD
P6001<4>
CAMERA1 UCON DSP P9602-77B-MOTHER P9605-52A | 52A | SYS INT
IC6001<1>
CPU
P46 P77
AN1 R/W-L
P60 E-L
P57
PG1 RST SBC
RXDO TXD 0
AN3 CLK 0
TXD 1
P76
DATA COMPATI H
STB DA DATA
CLK DA CLK
DA LD
LCD DATA 0
PB L
CAM L
P43 TCG INT
LTCR INT
45~60
ADDRESS BUS
A0~A15
A15
IC6005<1>
IC6004
IC6004,6003
QR6005<1>
QR6004
QR6001
IC6006<1>
ROM
CE
DATA BUS
IC5,7, 8,10
CS GEN
CS
37~44
DATA BUS
IC11,12<1>
BUFFER
IC6101,6102<4>
BUFFER
IC6201<2>
PARALLEL I/O
31,32
29,75
12~19
54~61
66~71 78,79
TC DATA
62,65~71
80~82 3~7
TC ADDRESS
ZEBRA
ABB
AWB
SHUT
ATART
RET
EJRCT
STOP
PLAY
FF
REW
VF DATA
VF CLK
VF WR
BACK TALLY
PLAY LED
FF LED
REW LED
P13
P14
P11 P12
QR6204
QR6203
QR6202
QR6201
IC801<3>
LTC IN
LTC OUT
V SYNC
SYNC
TIME CODE GATE QARRAY
TCG INT
LTCR INT
IC6802,6803<3>
WAVEFORM SHPER
IC6803<3>
BUFFER
IC6802<3>
V SYNC SEP
X6802<3>
VXO 76.7KHz(NTSC) 64KHz(PAL)
P6001<4>
SYS BUSY | 51A | MOTHER P9605-51A-CAMERA 1 UCON DSP P9602-76A
SYS-WE | 50A | MOTHER P9605-50A-PIX LINK P9606-58B, CAMERA 1 UCON DSP P9602-76B
SYS-OE | 49A | MOTHER P9605-49A-CAMERA 1 UCON DSP P9602-75A
P6001<4>
RST-SBC | 13B | MOTHER P9605-13B-VIDEO I/F P9607-24A
SYS-SBC-DAT | 16B | MOTHER P9605-16B-MAIN FLEX P9608-61B-INT CONNECT P9608-61B
SYS-SBC-CLK | 20B | MOTHER P9605-20B-MAIN FLEX P9608-62B INT CONNECT P9608-62B
SV SPI | 36B | MOTHER P9605-36B-MAIN FLEX P9608-73B INT CONNECT P9608-73B
P6001<4>
SYS A0~A15 | 38A~48A 39B~43B | MOTHER P9605-38A~48A-PIX LINK P9606-40B~50B, CAMERA1 UCON DSP P9602-70AB~75AB
P6001<4>
SYS D0~D7 | 30A~37A | MOTHER P9605-30A~37A-PIX LINK P9606-27B~34B, CAMERA1 UCON DSP P9602-66AB~69AB
P6001<4>
SYS CE1 | 45B | MOTHER P9605-45B-PIX LINK P9606-59B
SYS CS | 53A | MOTHER P9605-53A-CAMERA1 UCON DSP P9602-77A
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P6001<4>
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P6001<4>
ASYNC | 29A | MOTHER P9605-29A-CAM SYNC P9604-28B, CAM ENC P9603-28B, CAMERA1 UCON DSP P9602-24A
P6001<4>
COMPATI H | 14B | MOTHER P9605-14B- MAINFLEX P9608-69A-INT CONNECT P9608-69A
CAM L | 14B | MOTHER P9605-15B-CAMERA SYNC P960416B, VIDEO I/F P9607-15A
PBL | 24B | MOTHER P9604-24B - MAIN FLEX P9608-62A-INT CONNECT P9608-62A
DA DATA | 27B | MOTHER P9605-27B -MAIN FLEX P9608-59A-INT CONNECT P9608-59A
DA CLK | 28B | MOTHER P9605-28B -MAIN FLEX P9608-58A-INT CONNECT P9608-58A
DALD | 29B | MOTHER P9605-29B -MAIN FLEX P9608-58B-INT CONNECT P9608-58B
VF DATA | 52B | MOTHER P9605-52B -EVF(P9613-9-EVF CONNECTOR -10
VF CLK | 53B | MOTHER P9605-53B -EVFP9613-10-EVF CONNECTOR-8
VF WR | 55B | MOTHER P9610-55B -EVFP9613-11-EVF CONNECTOR-9
PLAY LED | 66B | MOTHER P9605-66B -TOP P9614-7-OPERATE P501-7
FF LED | 67B | MOTHER P9605-67B -TOP P9614-8-OPERATE P501-8
REW LED | 69B | MOTHER P9605-69B -TOP P9614-9-OPERATE P501-9
BACK TALLY | 70B | MOTHER P9605-70B -TOP P9614-10-OPERATE P501-10
LCD DATA 0 | 79B | MOTHER P9605-79B -TOP P9608-30B-INT CONNECT P9608-30B-INT CONNECT P9608-30B
OPERATION SW
P6001<4>
EVF CONNECTOR12-EVF P9613-12-MOTHER P9605-59B | 59B | ZEBRA SW
OPERATE P501-3-TOP P9614-3-MOTHER P9605-60B | 60B | PLAY SW
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OPERATE P501-5-TOP P9614-5-MOTHER P9605-65B | 65B | EJECT SW
FRONT P1-1-FRONT TOGGELE P3-1-P1-9 CAMERA HEAD P9601-21B-MOTHERP9605-64A | 64A | START SW
LENS(12PIN CONNECTOR#1)-MOTHER(P9608-7) | 65A | RET SW
FRONT TOGGELE P1-5,6 CAMERA HEAD P9601-20A,B-MOTHERP9605-66A,67A | 66A,67A | SHUT SW1,2
FRONT TOGGELE P1-3 CAMERA HEAD P9601-19B-MOTHERP9605-70A | 70A | AWB SW
FRONT TOGGELE P1-4 CAMERA HEAD P9601-19A-MOTHERP9605-72A | 72A | ABB SW
P9617-10-MOTHER P9605-72B 26P CONNECTOR 15 | 72B | TALLY-26P
IC6202
BUFFER
QR6208
QR6209
QR6207
QR6206
P6001<4>
TCF 0 | 50 B | MOTHER P9605-50B -MAIN FLEX P9608-75B-INT CONNECT P9608-75B
TCF 1 | 51 B | MOTHER P9605-51B -MAIN FLEX P9608-75A-INT CONNECT P9608-75A
START 26P | 74 B | MOTHER P9605-74B-26P CONNECTOR-12
ANTON LIGHT | 78 B | MOTHER P9605-78B-P9611-3-ANTON P9807-3
P6301<4>
LI BATT-MOTHER P9623-1 | 1 | LI BATT
P6001<4>
LI BATT-MOTHER P9623-1 | 12B | BATT
P6001<4>
EVF CONNECTOR-P9612-1-P9605-60A, CAM ENC P9603-68B | 60A | TEST
IC6301<2>
BATT PEND
P6304<5>
P17 P00
P20 P10
A1~A2 P11
P12
P13
IC6302<2>
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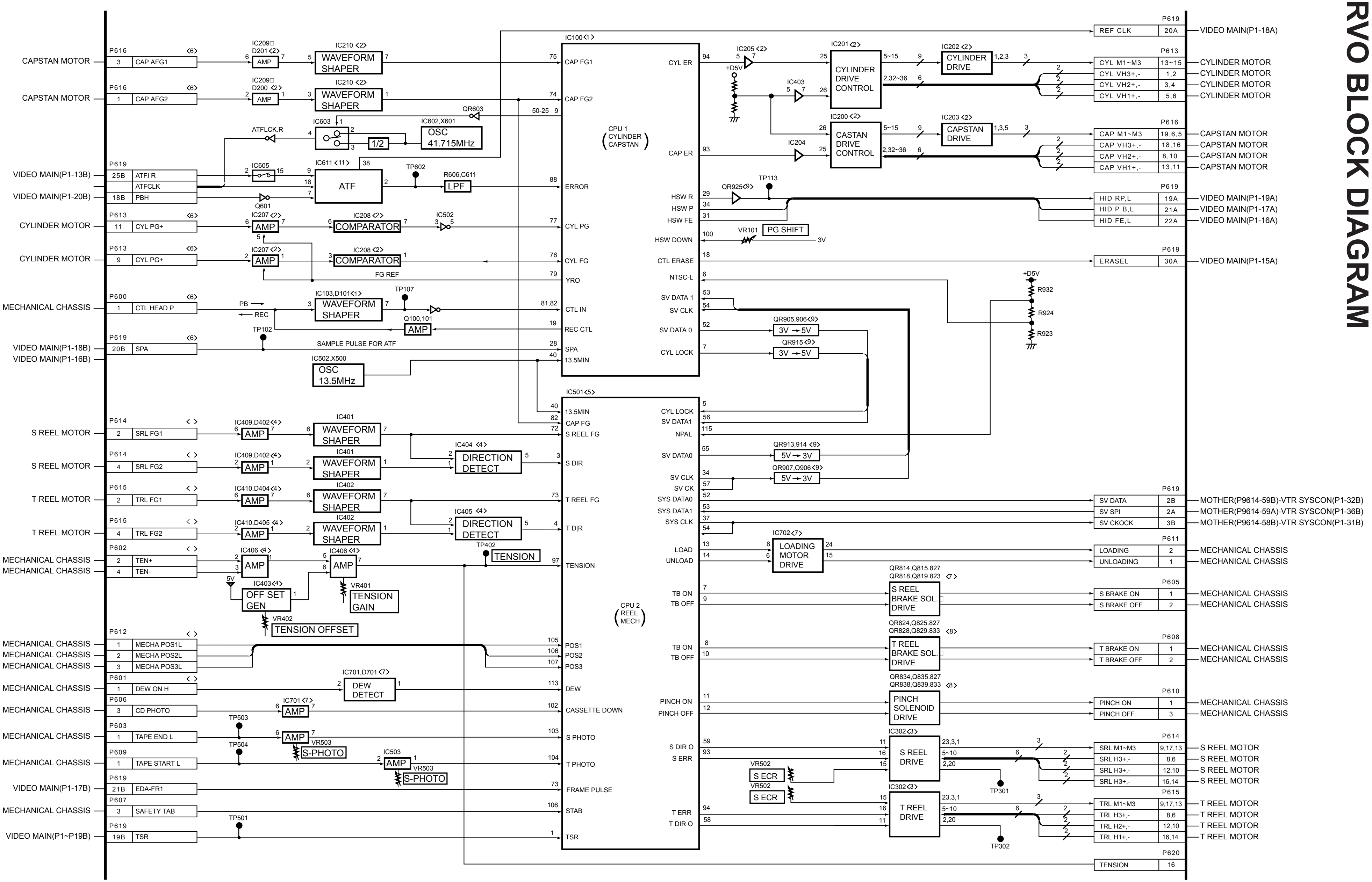
TP6301
DATA BUS
X6301
OSC
VC6301
P6001<4>
CAM L | 15B | MOTHER P9605-15B-VIDEO I/F P9607-15A, CAM SYNC P960416B
PI BS | 12A | MOTHER P9605-12A-MAIN FLEX P9608-21B INT CONNECT P9608-21B
ASPECT BS | 13A | MOTHER P9605-13A-MAIN FLEX P9608-21A INT CONNECT P9608-21A
REMOTE-L | 18A | MOTHER P9605-18A-MAIN FLEX P9608-17B INT CONNECT P9608-17B, VIDEO I/F P9607-69A, CAM SYNC P9604-56B, CAMERA1 DSP P9602-20A
TALLY BS | 20A | MOTHER P9605-20A MAIN FLEX P9608-22A INT CONNECT P9608-22A

SERVO BLOCK DIAGRAM


CAPSTAN MOTOR
CYLINDER MOTOR
MECHANICAL CHASSIS
VIDEO MAIN(P1-13B)
VIDEO MAIN(P1-20B)
VIDEO MAIN(P1-18B)
VIDEO MAIN(P1-16B)
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T REEL MOTOR
VIDEO MAIN(P1-17B)
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P619
ATFI R
ATFCLK
PBH
P613
CYL PG+
P600
CTL HEAD P
SPA
P614
SRL FG1
SRL FG2
P615
TRL FG1
TRL FG2
P602
TEN+
TEN-
P612
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MECHA POS2L
MECHA POS3L
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P609
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1/2
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QR603
IC605
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R606,C611
LPF
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PB
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TP102
SAMPLE PULSE FOR ATF
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OSC 13.5MHz
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CAP FG1
CAP FG2
ERROR
CYL PG
CYL FG
YRO
CTL IN
REC CTL
SPA
13.5MIN
CPU 1 (CYLINDER CAPSTAN)
CYL ER
CAP ER
HSW R
HSW P
HSW FE
HSW DOWN
CTL ERASE
NTSC-L
SV DATA 1
SV CLK
SV DATA 0
CYL LOCK
IC205
+D5V
IC403
IC204
IC201
CYLINDER DRIVE CONTROL
IC200
CASTAN DRIVE CONTROL
IC202
CYLINDER DRIVE
IC203
CAPSTAN DRIVE
QR925
TP113
VR101
PG SHIFT
3V
R932
R924
R923
QR905,906
3V → 5V
QR915
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IC401
IC404
DIRECTION DETECT
IC410,D404
IC410,D405
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VR402
TENSION OFFSET
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IC503
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IC501
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CAP FG
S REEL FG
S DIR
T REEL FG
T DIR
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POS1
POS2
POS3
DEW
CASSETTE DOWN
S PHOTO
T PHOTO
FRAME PULSE
STAB
TSR
CPU 2 (REEL MECH)
CYL LOCK
SV DATA1
NPAL
SV DATA0
SV CLK
SV CK
SYS DATA0
SYS DATA1
SYS CLK
LOAD
UNLOAD
TB ON
TB OFF
PINCH ON
PINCH OFF
S DIR O
S ERR
T ERR
T DIR O
QR913,914
5V → 3V
QR907,Q906
IC702
LOADING MOTOR DRIVE
QR814,Q815.827
QR818,Q819.823
S REEL BRAKE SOL. DRIVE
QR824,Q825.827
QR828,Q829.833
T REEL BRAKE SOL. DRIVE
QR834,Q835.827
QR838,Q839.833
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VR502
S ECR
TP301
TP302
REF CLK
CYL M1~M3
CYL VH3+,-
CYL VH2+,-
CYL VH1+,-
CAP M1~M3
CAP VH3+,-
CAP VH2+,-
CAP VH1+,-
HID RP,L
HID P B,L
HID FE,L
ERASEL
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SV SPI
SV CKOCK
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P605
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S BRAKE OFF
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T BRAKE OFF
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SRL H2+,-
SRL H1+,-
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TRL H3+,-
TRL H2+,-
TRL H1+,-
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VIDEO MAIN(P1-19A)
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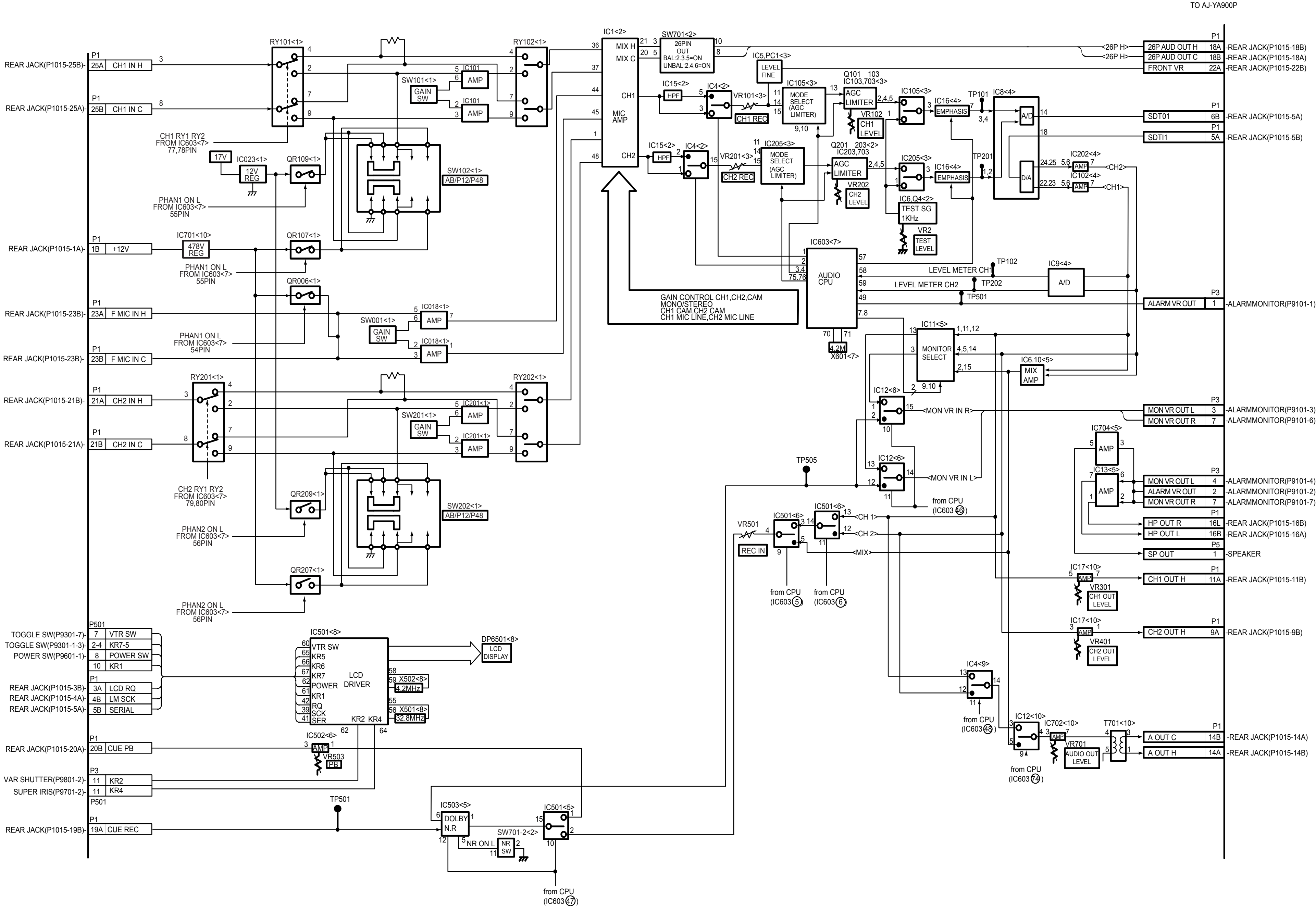
AUDIO LCD BLOCK DIAGRAM


TO AJ-YA900P
REAR JACK(P1015-25B)-
P1
25A CH1 IN H
REAR JACK(P1015-25A)-
25B CH1 IN C
RY101<1>
RY102<1>
IC101
AMP
SW101<1>
GAIN SW
CH1 RY1 RY2
FROM IC603<7>
77,78PIN
17V
IC023<1>
12V REG
QR109<1>
SW102<1>
AB/P12/P48
PHAN1 ON L
FROM IC603<7>
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IC701<10>
478V REG
QR107<1>
QR006<1>
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23A F MIC IN H
IC018<1>
SW001<1>
54PIN
23B F MIC IN C
RY201<1>
RY202<1>
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21A CH2 IN H
REAR JACK(P1015-21A)-
21B CH2 IN C
IC201<1>
SW201<1>
CH2 RY1 RY2
FROM IC603<7>
79,80PIN
QR209<1>
SW202<1>
PHAN2 ON L
FROM IC603<7>
56PIN
QR207<1>
IC1<2>
MIX H
MIX C
CH1
MIC AMP
CH2
GAIN CONTROL CH1,CH2,CAM
MONO/STEREO
CH1 CAM,CH2 CAM
CH1 MIC LINE,CH2 MIC LINE
SW701<2>
26PIN OUT
BAL:2.3.5=ON
UNBAL:2.4.6=ON
IC5,PC1<3>
LEVEL FINE
IC15<2>
HPF
IC4<2>
VR101<3>
CH1 REC
VR201<3>
CH2 REC
IC105<3>
MODE SELECT (AGC LIMITER)
IC205<3>
Q101 103
IC103,703<3>
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CH1 LEVEL
Q201 203<2>
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CH2 LEVEL
IC6,Q4<2>
TEST SG 1KHz
VR2
TEST LEVEL
IC16<4>
EMPHASIS
TP101
TP201
IC8<4>
A/D
D/A
IC202<4>
IC102<4>
AMP
<CH2>
<CH1>
<26P H>
26P AUD OUT H 18A -REAR JACK(P1015-18B)
26P AUD OUT C 18B -REAR JACK(P1015-18A)
FRONT VR 22A -REAR JACK(P1015-22B)
SDT01 6B -REAR JACK(P1015-5A)
SDTI1 5A -REAR JACK(P1015-5B)
IC603<7>
AUDIO CPU
LEVEL METER CH1
LEVEL METER CH2
TP102
TP202
TP501
IC9<4>
X601<7>
4.2M
P3
ALARM VR OUT 1 -ALARMMONITOR(P9101-1)
IC11<5>
MONITOR SELECT
IC6.10<5>
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IC12<6>
<MON VR IN R>
<MON VR IN L>
MON VR OUT L 3 -ALARMMONITOR(P9101-3)
MON VR OUT R 7 -ALARMMONITOR(P9101-6)
IC704<5>
IC13<5>
MON VR OUT L 4 -ALARMMONITOR(P9101-4)
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HP OUT R 16L -REAR JACK(P1015-16B)
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P5
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TP505
from CPU (IC603 ㊻)
IC501<6>
VR501
REC IN
<CH 1>
<CH 2>
<MIX>
from CPU (IC603 ⑤)
from CPU (IC603 ⑥)
IC17<10>
VR301
CH1 OUT LEVEL
CH1 OUT H 11A -REAR JACK(P1015-11B)
VR401
CH2 OUT LEVEL
CH2 OUT H 9A -REAR JACK(P1015-9B)
IC4<9>
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IC12<10>
IC702<10>
VR701
AUDIO OUT LEVEL
T701<10>
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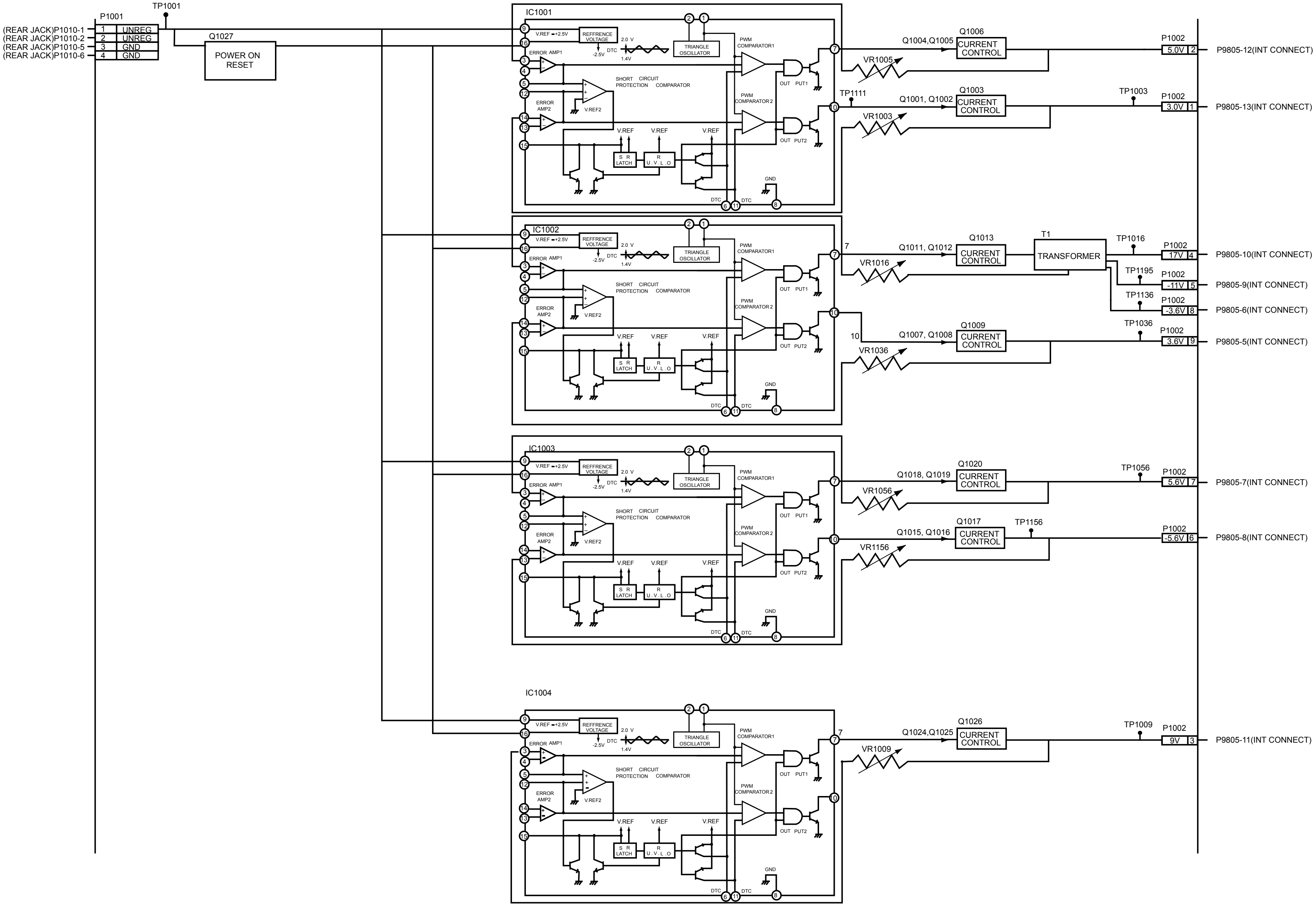
10 KR1
REAR JACK(P1015-3B)- 3A LCD RQ
REAR JACK(P1015-4A)- 4B LM SCK
REAR JACK(P1015-5A)- 5B SERIAL
IC501<8>
VTR SW
KR5
KR6
KR7
POWER
KR1
RQ
SCK
SER
LCD DRIVER
KR2 KR4
DP6501<8>
LCD DISPLAY
X502<8>
4.2MHz
X501<8>
32.8MHz
REAR JACK(P1015-20A)- 20B CUE PB
IC502<6>
VR503
PB
VAR SHUTTER(P9801-2)- 11 KR2
SUPER IRIS(P9701-2)- 11 KR4
TP501
IC503<5>
DOLBY N.R
SW701-2<2>
NR ON L
NR SW
IC501<5>
REAR JACK(P1015-19B)- 19A CUE REC
from CPU (IC603 ㊼)

BLK-17

POWER BLOCK DIAGRAM


(REAR JACK)P1010-1
(REAR JACK)P1010-2
(REAR JACK)P1010-5
(REAR JACK)P1010-6
P1001
1 UNREG
2 UNREG
3 GND
4 GND
TP1001
Q1027
POWER ON RESET
IC1001
IC1002
IC1003
IC1004
V.REF =+2.5V
REFFRENCE VOLTAGE
-2.5V
DTC
2.0 V
1.4V
TRIANGLE OSCILLATOR
PWM COMPARATOR1
PWM COMPARATOR2
ERROR AMP1
ERROR AMP2
SHORT CIRCUIT PROTECTION COMPARATOR
V.REF2
V.REF
S R LATCH
R U.V.L.O
OUT PUT1
OUT PUT2
GND
DTC
Q1004,Q1005
Q1006
CURRENT CONTROL
VR1005
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TP1111
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Q1003
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TP1003
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-11V 5
P9805-9(INT CONNECT)
TP1136
-3.6V 8
P9805-6(INT CONNECT)
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Q1018, Q1019
Q1020
VR1056
TP1056
5.6V 7
P9805-7(INT CONNECT)
Q1015, Q1016
Q1017
VR1156
TP1156
-5.6V 6
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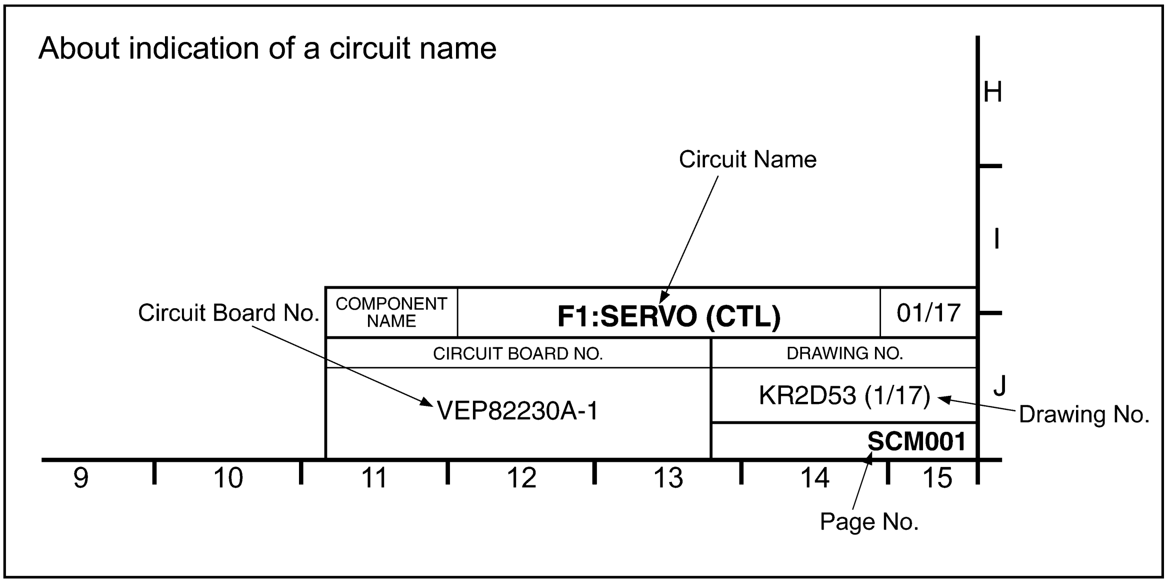
Q1024,Q1025
Q1026
VR1009
TP1009
9V 3
P9805-11(INT CONNECT)

SECTION 5

SCHEMATIC DIAGRAMS


About indication of a circuit name

H
Circuit Name
I
Circuit Board No.
COMPONENT NAME
F1:SERVO (CTL)
01/17
CIRCUIT BOARD NO.
DRAWING NO.
J
KR2D53 (1/17)
Drawing No.
VEP82230A-1
SCM001
9
10
11
12
13
14
15
Page No.

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 7

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

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VIDEO MAIN (7/15).......... SCM054
VIDEO MAIN (8/15).......... SCM055
VIDEO MAIN (9/15).......... SCM056
VIDEO MAIN (10/15).......... SCM057
VIDEO MAIN (11/15).......... SCM058
VIDEO MAIN (12/15).......... SCM059
VIDEO MAIN (13/15).......... SCM060
VIDEO MAIN (14/15).......... SCM061
VIDEO MAIN (15/15).......... SCM062

AUDIO PLL SUB (1/1).......... SCM063

CLS AUX (1/1) SCM064

DV_uCOM (1/1) SCM065

RF

RF (1/5) SCM066
RF (2/5) SCM067
RF (3/5) SCM068
RF (4/5) SCM069
RF (5/5) SCM070

VTR SYSCON

VTR SYSCON (1/4) SCM071
VTR SYSCON (2/4) SCM072
VTR SYSCON (3/4) SCM073
VTR SYSCON (4/4) SCM074

SERVO

SERVO (1/11).......... SCM075
SERVO (2/11).......... SCM076
SERVO (3/11).......... SCM077
SERVO (4/11).......... SCM078
SERVO (5/11).......... SCM079
SERVO (6/11).......... SCM080
SERVO (7/11).......... SCM081
SERVO (8/11).......... SCM082
SERVO (9/11).......... SCM083
SERVO (10/11).......... SCM084
SERVO (11/11).......... SCM085

AUDIO_LCD

AUDIO_LCD (AUDIO INPUT) (1/11) SCM086
AUDIO_LCD (AUDIO SELECT) (2/11) SCM087
AUDIO_LCD (AUDIO AGC) (3/11) SCM088
AUDIO_LCD (AUDIO A/D D/A) (4/11) SCM089
AUDIO_LCD (AUDIO MONITOR) (5/11) SCM090
AUDIO_LCD (AUDIO CUE) (6/11) SCM091
AUDIO_LCD (AUDIO CONTROL) (7/11) SCM092
AUDIO_LCD (AUDIO LCD) (8/11).............................. SCM093
AUDIO_LCD (AUDIO LCD I/F) (9/11)......................... SCM094
AUDIO_LCD (AUDIO OUT) (10/11) SCM095
AUDIO_LCD (CUE DELAY) (11/11).......................... SCM096

POWER

POWER (1/4).. SCM097
POWER (2/4).. SCM098
POWER (3/4).. SCM099
POWER (4/4).. SCM100

REAR JACK

REAR JACK (1/2) SCM101
REAR JACK (2/2) SCM102

OPERATE

OPERATE (1/1) SCM103

BNC

BNC (1/1)... SCM103

MEMORY CARD FLEX

MEMORY CARD FLEX (1/1)..................................... SCM104

BYPASS

BYPASS (1/1) SCM105

CAMERA FLEX

CAMERA FLEX (1/1) SCM106

VIDEO FLEX

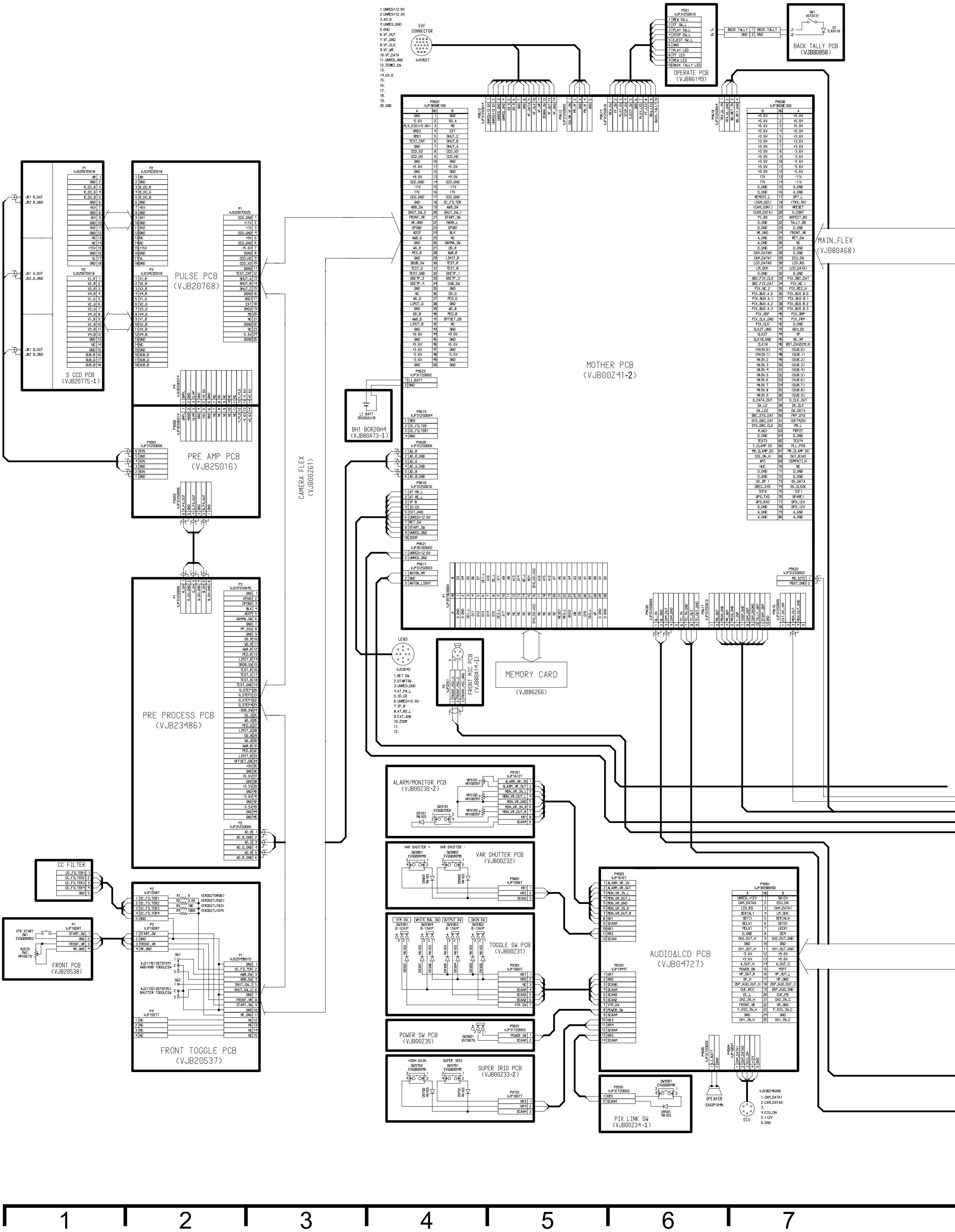
VIDEO FLEX (1/1) SCM107

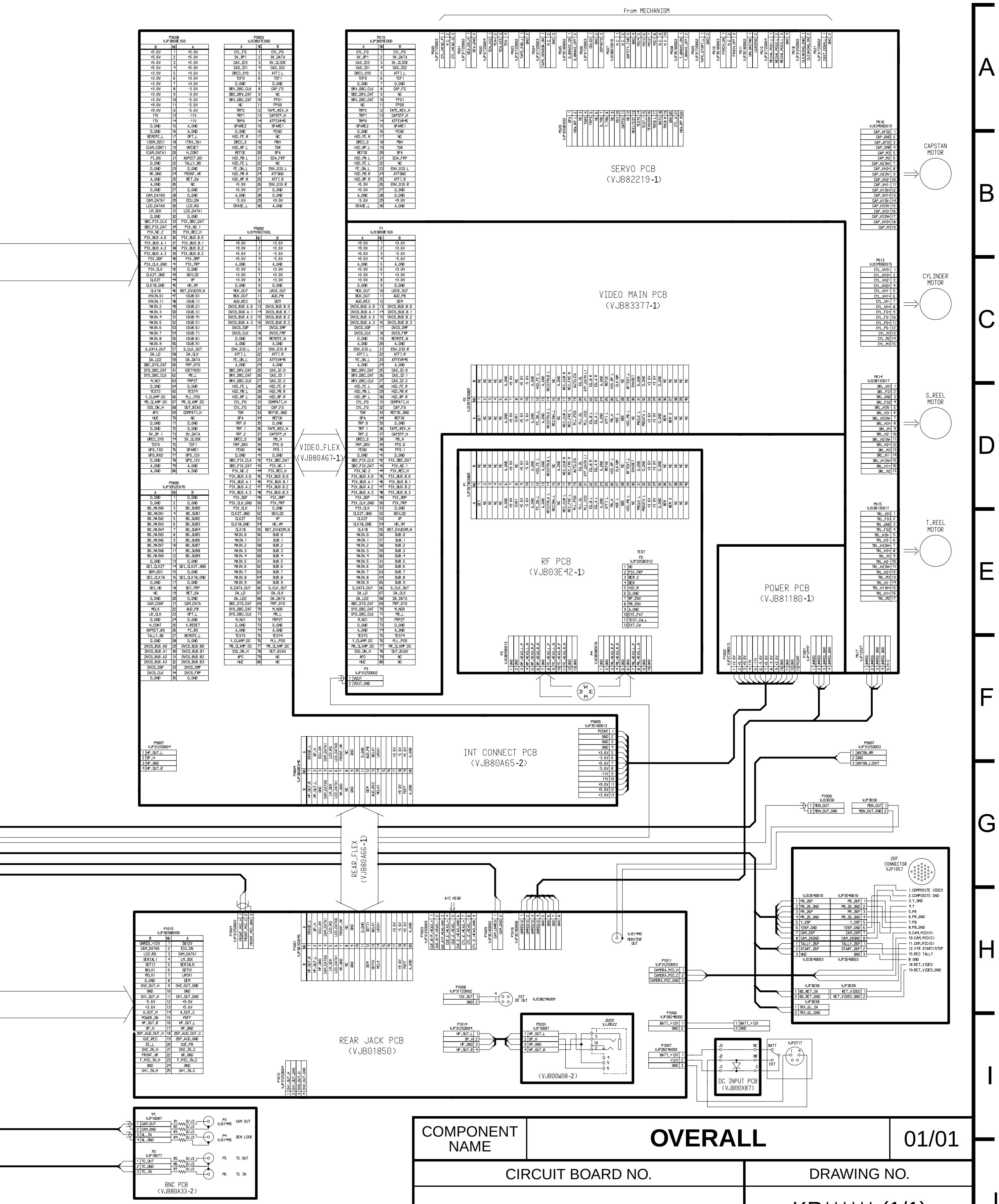
MAIN FLEX

MAIN FLEX (1/1)... SCM108

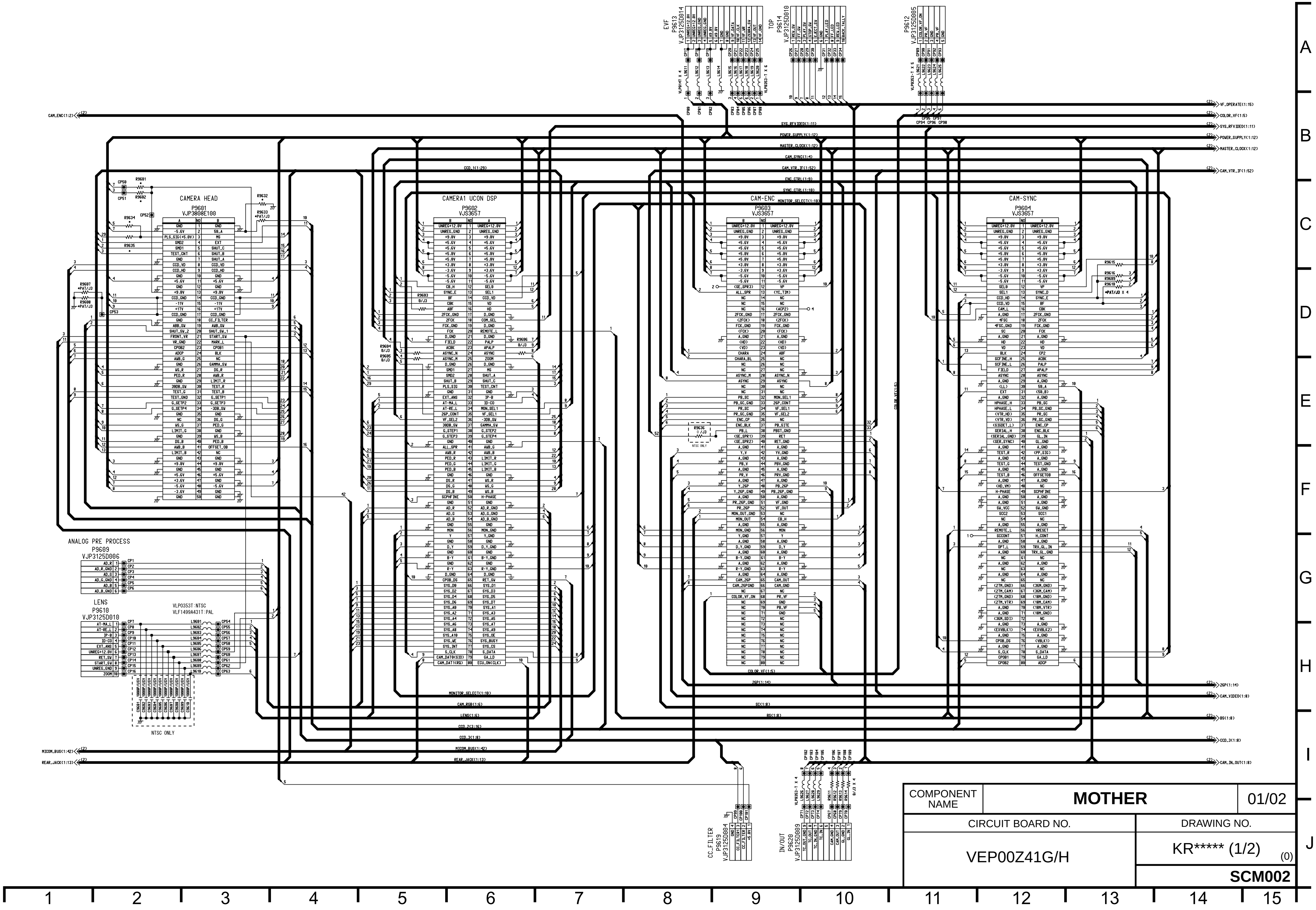
REAR FLEX

REAR FLEX (1/1).. SCM109

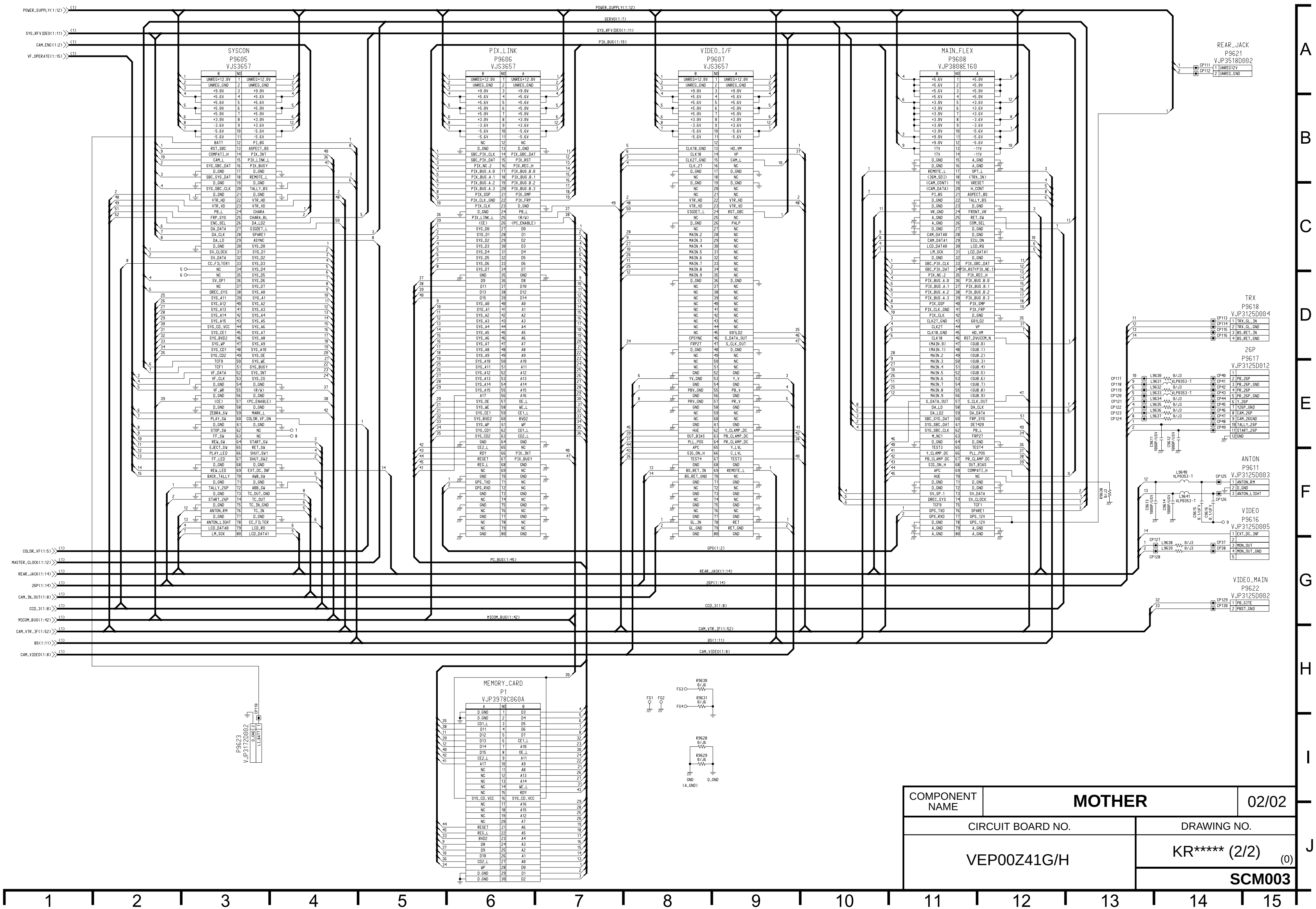

EVF CONNECTOR
VJS3527
OPERATE PCB
(VJB86149)
BACK TALLY PCB
(VJB80858)
MOTHER PCB
(VJB00Z41-2)
MAIN_FLEX
(VJB80A68)
S CCD PCB
(VJB20775-1)
PULSE PCB
(VJB20768)
PRE AMP PCB
(VJB25016)
CAMERA FLEX
(VJB00Z61)
BH1 BCR20H4
(VJB80A73-1)
LI BATT
CR2032LI/B
LENS
VJS3549
FRONT MIC PCB
(VJB80A14-1)
MEMORY CARD
(VJB86266)
PRE PROCESS PCB
(VJB23486)
CC FILTER
FRONT PCB
(VJB20538)
FRONT TOGGLE PCB
(VJB20537)
ALARM/MONITOR PCB
(VJB00Z30-2)
VAR SHUTTER PCB
(VJB00Z32)
TOGGLE SW PCB
(VJB00Z31)
POWER SW PCB
(VJB00Z35)
SUPER IRIS PCB
(VJB00Z33-2)
AUDIO&LCD PCB
(VJB04727)
PIX LINK SW
(VJB00Z34-1)
SPEAKER
EAS2P104N
ECU
1
2
3
4
5
6
7


from MECHANISM
SERVO PCB
(VJB82219-1)
VIDEO MAIN PCB
(VJB83377-1)
RF PCB
(VJB03E42-1)
POWER PCB
(VJB81180-1)
INT CONNECT PCB
(VJB80A65-2)
VIDEO_FLEX
(VJB80A67-1)
REAR_FLEX
(VJB80A66-1)
REAR JACK PCB
(VJB01850)
(VJB00W08-2)
DC INPUT PCB
(VJB00X87)
BNC PCB
(VJB80A33-2)
CAPSTAN MOTOR
CYLINDER MOTOR
S_REEL MOTOR
T_REEL MOTOR
26P CONNECTOR VJP1957
A/C HEAD
MONITOR OUT
EXT DC OUT
TEST
A
B
C
D
E
F
G
H
I
J
8
9
10
11
12
13
14
15

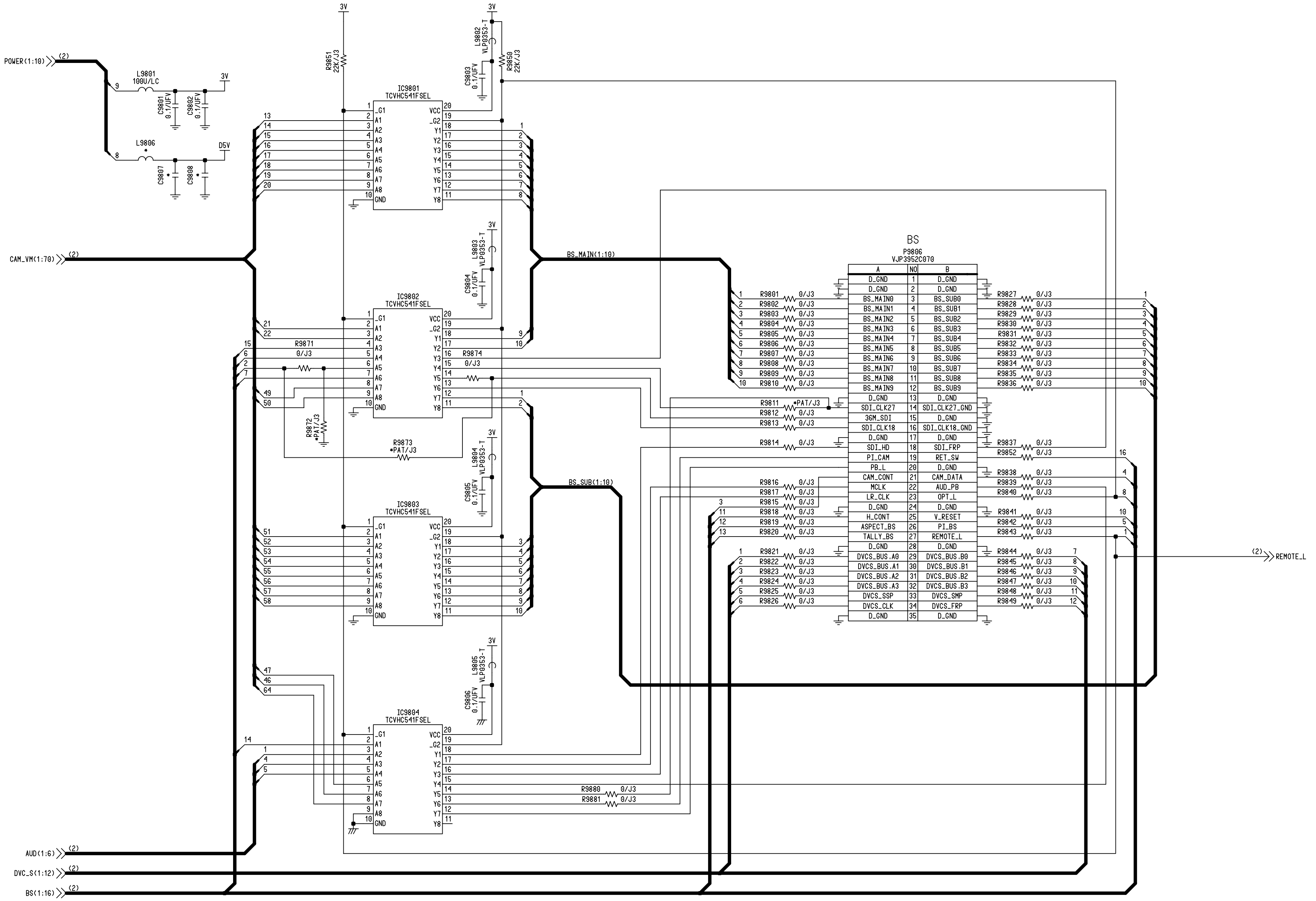
COMPONENT NAME	**OVERALL**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP******	KR****** (1/1) (0)	
	SCM001	


EVF
P9613
VJP3125D014
TOP
P9614
VJP3125D010
P9612
VJP3125D005
CAM_ENC(1:2)
VF_OPERATE(1:15)
COLOR_VF(1:5)
SYS_RFVIDEO(1:11)
POWER_SUPPLY(1:12)
MASTER_CLOCK(1:12)
CAM_SYNC(1:4)
CAM_VTR_IF(1:52)
ENC_CTRL(1:9)
SYNC_CTRL(1:10)
MONITOR_SELECT(1:10)
CCD_1(1:29)
CAMERA HEAD
P9601
VJP3808E100
CAMERA1 UCON DSP
P9602
VJS3657
CAM-ENC
P9603
VJS3657
CAM-SYNC
P9604
VJS3657
ANALOG PRE PROCESS
P9609
VJP3125D006
LENS
P9610
VJP3125D010
VLP0353T:NTSC
VLF1499A431T:PAL
NTSC ONLY
COLOR_VF(1:5)
2GP(1:14)
CAM_VIDEO(1:8)
MONITOR_SELECT(1:10)
CAM_RGB(1:6)
SC(1:8)
LENS(1:6)
BS(1:8)
CCD_2(3:16)
CCD_3(1:8)
MICOM_BUS(1:42)
REAR_JACK(1:13)
CAM_IN_OUT(1:8)
CC_FILTER
P9619
VJP3125D004
IN/OUT
P9620
VJP3125D009
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

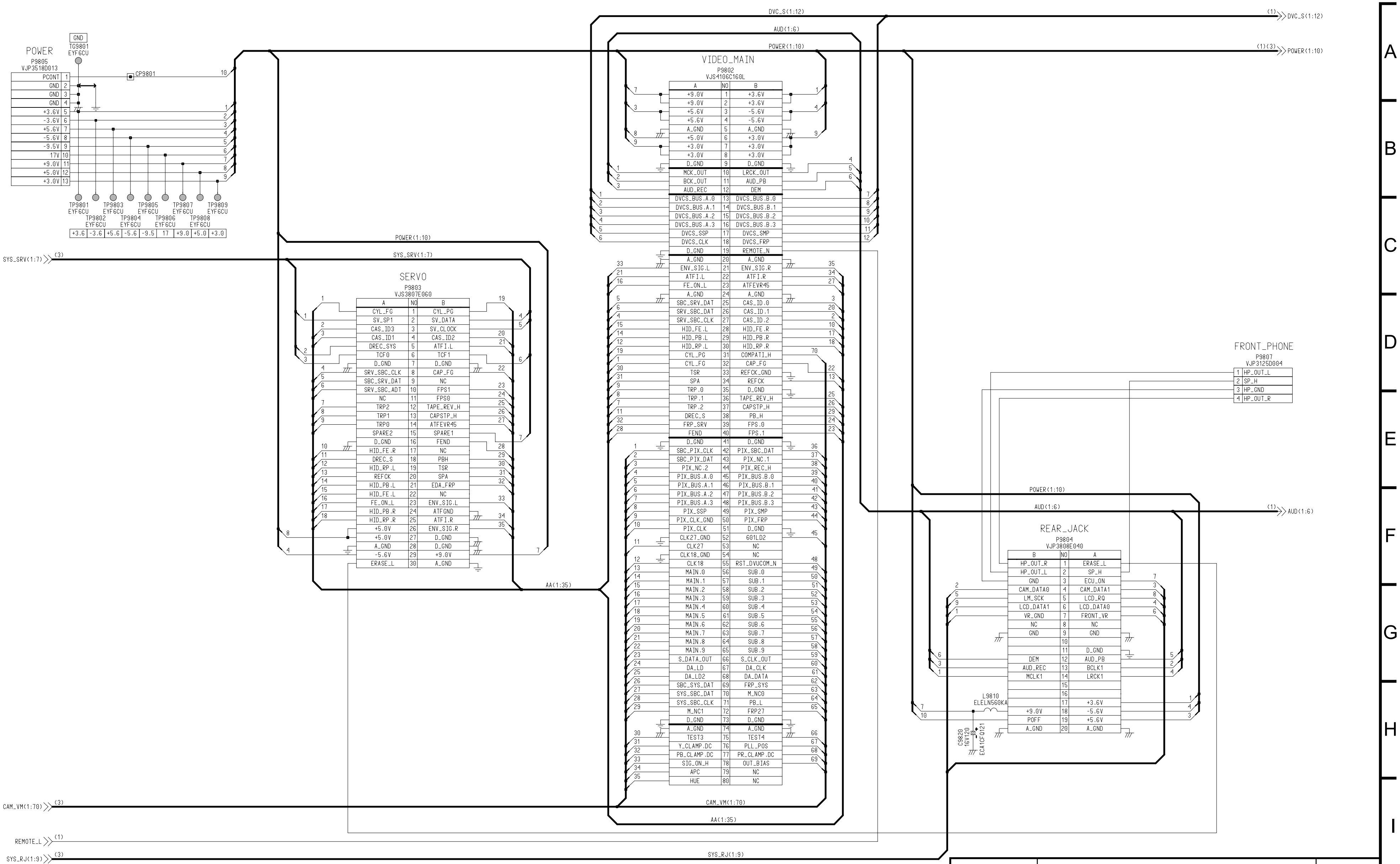
COMPONENT NAME	MOTHER	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP00Z41G/H	KR***** (1/2) (0)	
	SCM002	


SYSCON
P9605
VJS3657
PIX_LINK
P9606
VJS3657
VIDEO_I/F
P9607
VJS3657
MAIN_FLEX
P9608
VJP3808E160
REAR_JACK
P9621
VJP3518D002
TRX
P9618
VJP3125D004
26P
P9617
VJP3125D012
ANTON
P9611
VJP3125D003
VIDEO
P9616
VJP3125D005
VIDEO_MAIN
P9622
VJP3125D002
MEMORY_CARD
P1
VJP3978C060A
P9623
VJP3172D002
POWER_SUPPLY(1:12)
SERVO(1:7)
SYS_RFVIDEO(1:11)
PIX_BUS(1:19)
CAM_ENC(1:2)
VF_OPERATE(1:15)
COLOR_VF(1:5)
MASTER_CLOCK(1:12)
REAR_JACK(1:14)
26P(1:14)
CAM_IN_OUT(1:8)
CCD_3(1:8)
MICOM_BUS(1:42)
CAM_VTR_IF(1:52)
BS(1:11)
CAM_VIDEO(1:8)
GPS(1:2)
PC_BUS(1:45)
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	MOTHER	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP00Z41G/H	KR***** (2/2) (0)	
	SCM003	


POWER(1:10)
CAM_VM(1:70)
AUD(1:6)
DVC_S(1:12)
BS(1:16)
REMOTE_L
BS_MAIN(1:10)
BS_SUB(1:10)
L9801 100U/LC
L9806
C9801 0.1/UFV
C9802 0.1/UFV
C9807
C9808
3V
D5V
R9851 22K/J3
R9850 22K/J3
L9802 VLP0353-T
L9803 VLP0353-T
L9804 VLP0353-T
L9805 VLP0353-T
C9803 0.1/UFV
C9804 0.1/UFV
C9805 0.1/UFV
C9806 0.1/UFV
IC9801 TCVHC541FSEL
IC9802 TCVHC541FSEL
IC9803 TCVHC541FSEL
IC9804 TCVHC541FSEL
R9871 0/J3
R9872 *PAT/J3
R9873 *PAT/J3
R9874 0/J3
R9880 0/J3
R9881 0/J3
BS
P9806 VJP3952C070
D_GND
BS_MAIN0
BS_MAIN1
BS_MAIN2
BS_MAIN3
BS_MAIN4
BS_MAIN5
BS_MAIN6
BS_MAIN7
BS_MAIN8
BS_MAIN9
SDI_CLK27
3GM_SDI
SDI_CLK18
SDI_HD
PI_CAM
PB_L
CAM_CONT
MCLK
LR_CLK
H_CONT
ASPECT_BS
TALLY_BS
DVCS_BUS_A0
DVCS_BUS_A1
DVCS_BUS_A2
DVCS_BUS_A3
DVCS_SSP
DVCS_CLK
BS_SUB0
BS_SUB1
BS_SUB2
BS_SUB3
BS_SUB4
BS_SUB5
BS_SUB6
BS_SUB7
BS_SUB8
BS_SUB9
SDI_CLK27_GND
SDI_CLK18_GND
SDI_FRP
RET_SW
CAM_DATA
AUD_PB
OPT_L
V_RESET
PI_BS
REMOTE_L
DVCS_BUS_B0
DVCS_BUS_B1
DVCS_BUS_B2
DVCS_BUS_B3
DVCS_SMP
DVCS_FRP
R9801–R9810 0/J3
R9811 *PAT/J3
R9812–R9826 0/J3
R9827–R9849 0/J3
R9852 0/J3

COMPONENT NAME	INT_CONNECT	01/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80A65B	KR****** (1/3) (1)	
	SCM004	


DVC_S(1:12)
(1)
DVC_S(1:12)
AUD(1:6)
POWER(1:10)
(1)(3)
POWER(1:10)
GND
TG9801
EYF6CU
CP9801
TP9801
EYF6CU
TP9802
EYF6CU
TP9803
EYF6CU
TP9804
EYF6CU
TP9805
EYF6CU
TP9806
EYF6CU
TP9807
EYF6CU
TP9808
EYF6CU
TP9809
EYF6CU
+3.6
-3.6
+5.6
-5.6
-9.5
17
+9.0
+5.0
+3.0
SYS_SRV(1:7)
(3)
POWER(1:10)
SYS_SRV(1:7)
AA(1:35)
CAM_VM(1:70)
(3)
CAM_VM(1:70)
AA(1:35)
REMOTE_L
(1)
SYS_RJ(1:9)
(3)
SYS_RJ(1:9)
POWER(1:10)
AUD(1:6)
(1)
AUD(1:6)
L9810
ELELN560KA
C9820
16V120
ECA1CF0121
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

POWER

P9805
VJP3518D013

PCONT	1
GND	2
GND	3
GND	4
+3.6V	5
-3.6V	6
+5.6V	7
-5.6V	8
-9.5V	9
17V	10
+9.0V	11
+5.0V	12
+3.0V	13

VIDEO_MAIN

P9802
VJS4106C160L

A	NO	B
+9.0V	1	+3.6V
+9.0V	2	+3.6V
+5.6V	3	-5.6V
+5.6V	4	-5.6V
A_GND	5	A_GND
+5.0V	6	+3.0V
+3.0V	7	+3.0V
+3.0V	8	+3.0V
D_GND	9	D_GND
MCK_OUT	10	LRCK_OUT
BCK_OUT	11	AUD_PB
AUD_REC	12	DEM
DVCS_BUS.A.0	13	DVCS_BUS.B.0
DVCS_BUS.A.1	14	DVCS_BUS.B.1
DVCS_BUS.A.2	15	DVCS_BUS.B.2
DVCS_BUS.A.3	16	DVCS_BUS.B.3
DVCS_SSP	17	DVCS_SMP
DVCS_CLK	18	DVCS_FRP
D_GND	19	REMOTE_N
A_GND	20	A_GND
ENV_SIG.L	21	ENV_SIG.R
ATFI.L	22	ATFI.R
FE_ON_L	23	ATFEVR45
A_GND	24	A_GND
SBC_SRV_DAT	25	CAS_ID.0
SRV_SBC_DAT	26	CAS_ID.1
SRV_SBC_CLK	27	CAS_ID.2
HID_FE.L	28	HID_FE.R
HID_PB.L	29	HID_PB.R
HID_RP.L	30	HID_RP.R
CYL_PG	31	COMPATI_H
CYL_FG	32	CAP_FG
TSR	33	REFCK_GND
SPA	34	REFCK
TRP.0	35	D_GND
TRP.1	36	TAPE_REV_H
TRP.2	37	CAPSTP_H
DREC_S	38	PB_H
FRP_SRV	39	FPS.0
FEND	40	FPS.1
D_GND	41	D_GND
SBC_PIX_CLK	42	PIX_SBC_DAT
SBC_PIX_DAT	43	PIX_NC.1
PIX_NC.2	44	PIX_REC_H
PIX_BUS.A.0	45	PIX_BUS.B.0
PIX_BUS.A.1	46	PIX_BUS.B.1
PIX_BUS.A.2	47	PIX_BUS.B.2
PIX_BUS.A.3	48	PIX_BUS.B.3
PIX_SSP	49	PIX_SMP
PIX_CLK_GND	50	PIX_FRP
PIX_CLK	51	D_GND
CLK27_GND	52	601LD2
CLK27	53	NC
CLK18_GND	54	NC
CLK18	55	RST_DVUCOM_N
MAIN.0	56	SUB.0
MAIN.1	57	SUB.1
MAIN.2	58	SUB.2
MAIN.3	59	SUB.3
MAIN.4	60	SUB.4
MAIN.5	61	SUB.5
MAIN.6	62	SUB.6
MAIN.7	63	SUB.7
MAIN.8	64	SUB.8
MAIN.9	65	SUB.9
S_DATA_OUT	66	S_CLK_OUT
DA_LD	67	DA_CLK
DA_LD2	68	DA_DATA
SBC_SYS_DAT	69	FRP_SYS
SYS_SBC_DAT	70	M_NC0
SYS_SBC_CLK	71	PB_L
M_NC1	72	FRP27
D_GND	73	D_GND
A_GND	74	A_GND
TEST3	75	TEST4
Y_CLAMP.DC	76	PLL_POS
PB_CLAMP.DC	77	PR_CLAMP.DC
SIG_ON_H	78	OUT_BIAS
APC	79	NC
HUE	80	NC

SERVO

P9803
VJS3807E060

A	NO	B
CYL_FG	1	CYL_PG
SV_SP1	2	SV_DATA
CAS_ID3	3	SV_CLOCK
CAS_ID1	4	CAS_ID2
DREC_SYS	5	ATFI.L
TCF0	6	TCF1
D_GND	7	D_GND
SRV_SBC_CLK	8	CAP_FG
SBC_SRV_DAT	9	NC
SRV_SBC_ADT	10	FPS1
NC	11	FPS0
TRP2	12	TAPE_REV_H
TRP1	13	CAPSTP_H
TRP0	14	ATFEVR45
SPARE2	15	SPARE1
D_GND	16	FEND
HID_FE.R	17	NC
DREC_S	18	PBH
HID_RP.L	19	TSR
REFCK	20	SPA
HID_PB.L	21	EDA_FRP
HID_FE.L	22	NC
FE_ON_L	23	ENV_SIG.L
HID_PB.R	24	ATFGND
HID_RP.R	25	ATFI.R
+5.0V	26	ENV_SIG.R
+5.0V	27	D_GND
A_GND	28	D_GND
-5.6V	29	+9.0V
ERASE_L	30	A_GND

FRONT_PHONE

P9807
VJP3125D004

1	HP_OUT_L
2	SP_H
3	HP_GND
4	HP_OUT_R

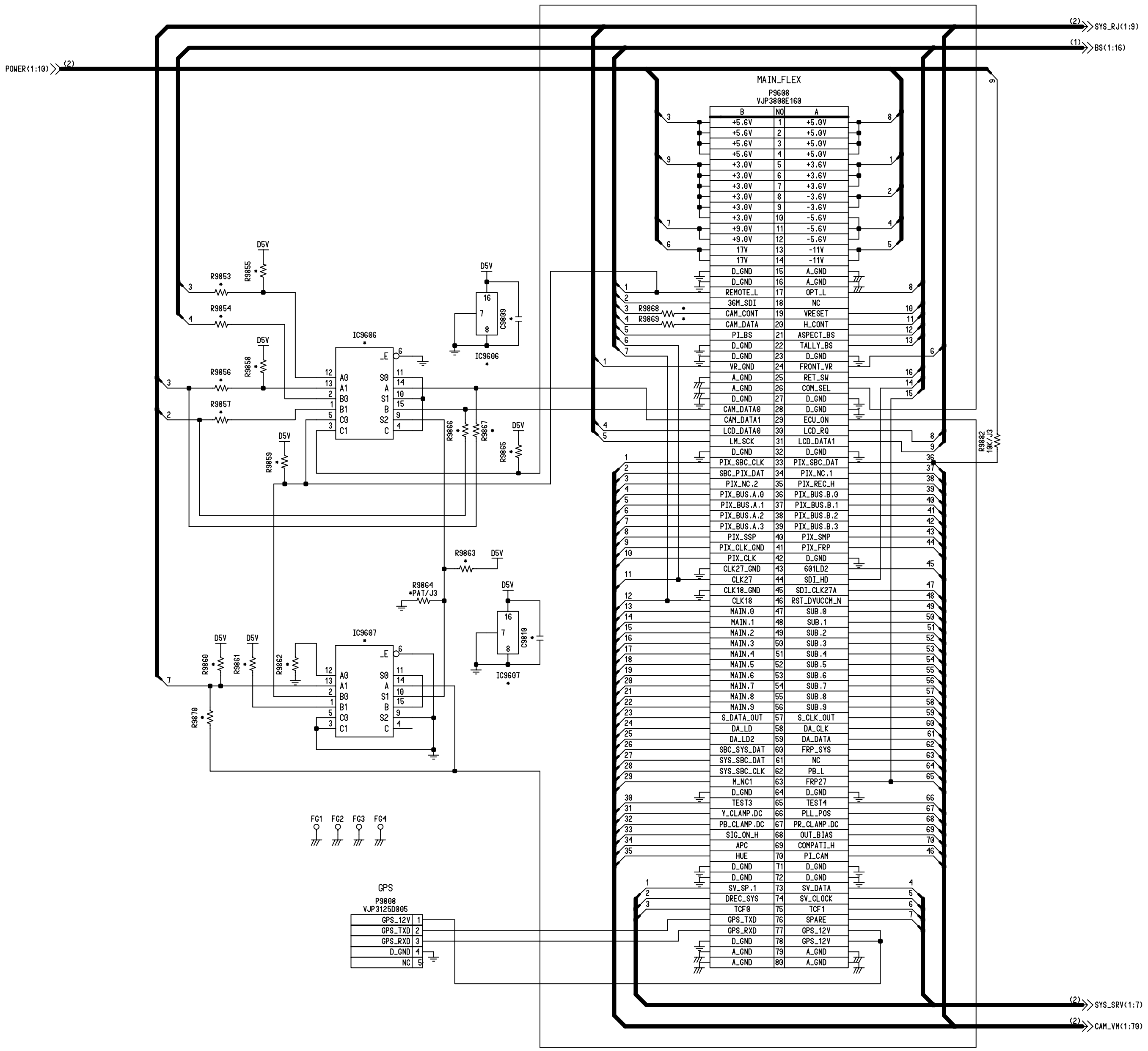
REAR_JACK

P9804
VJP3808E040

B	NO	A
HP_OUT_R	1	ERASE_L
HP_OUT_L	2	SP_H
GND	3	ECU_ON
CAM_DATA0	4	CAM_DATA1
LM_SCK	5	LCD_RQ
LCD_DATA1	6	LCD_DATA0
VR_GND	7	FRONT_VR
NC	8	NC
GND	9	GND
	10	
	11	D_GND
DEM	12	AUD_PB
AUD_REC	13	BCLK1
MCLK1	14	LRCK1
	15	
	16	
	17	+3.6V
+9.0V	18	-5.6V
POFF	19	+5.6V
A_GND	20	A_GND

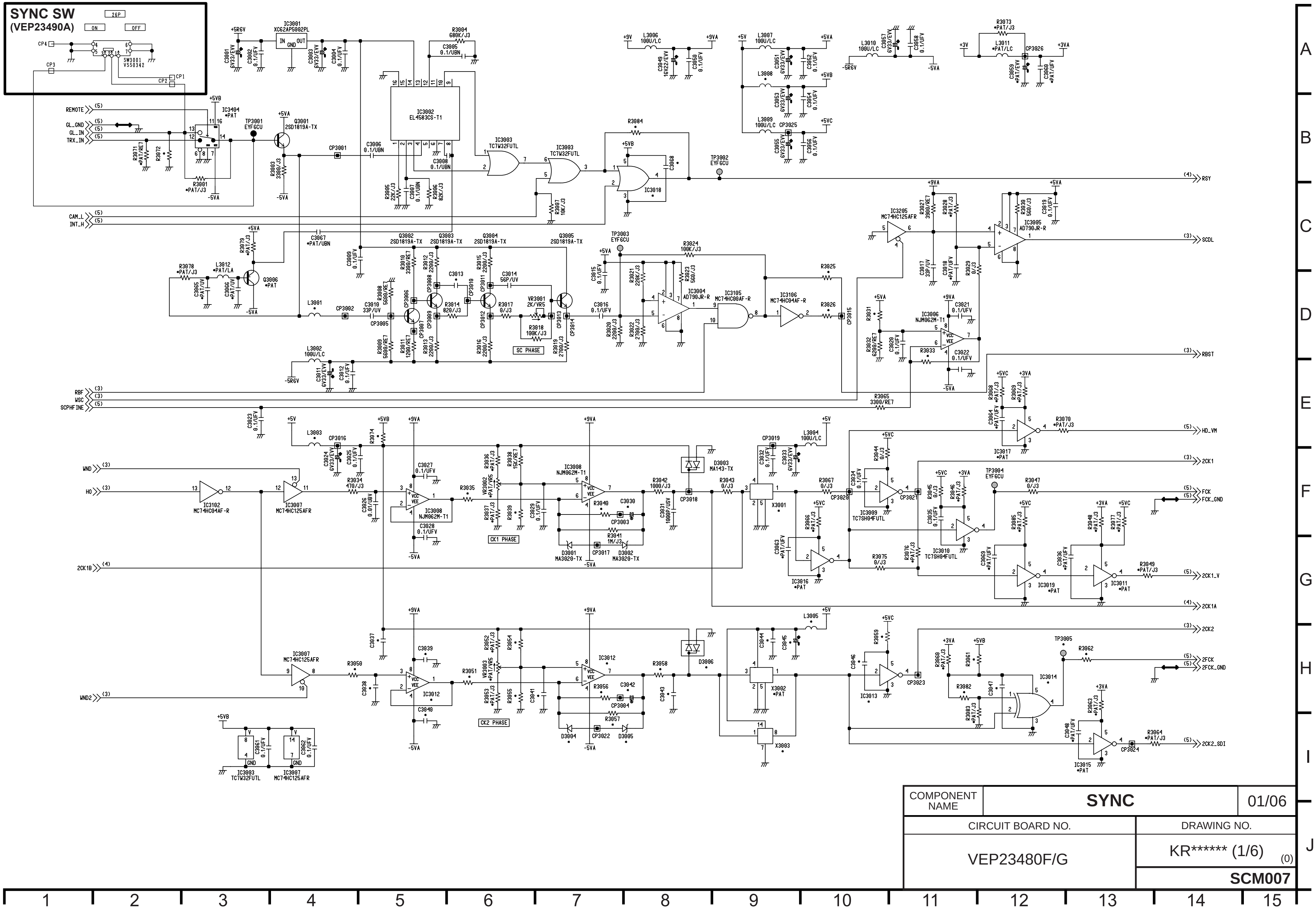
COMPONENT NAME	INT_CONNECT	02/03

CIRCUIT BOARD NO.	DRAWING NO.
VEP80A65B	KR****** (2/3) (1)
	SCM005


POWER(1:10)
SYS_RJ(1:9)
BS(1:16)
SYS_SRV(1:7)
CAM_VM(1:78)
MAIN_FLEX
P9608
VJP3808E160
IC9606
IC9607
C9809
C9810
R9853
R9854
R9855
R9856
R9857
R9858
R9859
R9860
R9861
R9862
R9863
R9864
*PAT/J3
R9865
R9866
R9867
R9868
R9869
R9870
R9882
10K/J3
D5V
FG1
FG2
FG3
FG4
GPS
P9808
VJP3125D005
GPS_12V
GPS_TXD
GPS_RXD
D_GND
NC
+5.6V
+5.0V
+3.0V
+3.6V
-3.6V
+9.0V
-5.6V
17V
-11V
D_GND
A_GND
REMOTE_L
OPT_L
36M_SDI
CAM_CONT
VRESET
CAM_DATA
H_CONT
PI_BS
ASPECT_BS
TALLY_BS
VR_GND
FRONT_VR
RET_SW
COM_SEL
CAM_DATA0
ECU_ON
CAM_DATA1
LCD_RQ
LCD_DATA0
LCD_DATA1
LM_SCK
PIX_SBC_CLK
PIX_SBC_DAT
SBC_PIX_DAT
PIX_NC.1
PIX_NC.2
PIX_REC_H
PIX_BUS.A.0
PIX_BUS.B.0
PIX_BUS.A.1
PIX_BUS.B.1
PIX_BUS.A.2
PIX_BUS.B.2
PIX_BUS.A.3
PIX_BUS.B.3
PIX_SSP
PIX_SMP
PIX_CLK_GND
PIX_FRP
PIX_CLK
CLK27_GND
601LD2
CLK27
SDI_HD
CLK18_GND
SDI_CLK27A
CLK18
RST_DVUCCM_N
MAIN.0 … MAIN.9
SUB.0 … SUB.9
S_DATA_OUT
S_CLK_OUT
DA_LD
DA_CLK
DA_LD2
DA_DATA
SBC_SYS_DAT
FRP_SYS
SYS_SBC_DAT
SYS_SBC_CLK
PB_L
M_NC1
FRP27
TEST3
TEST4
Y_CLAMP_DC
PLL_POS
PB_CLAMP_DC
PR_CLAMP_DC
SIG_ON_H
OUT_BIAS
APC
COMPATI_H
HUE
PI_CAM
SV_SP.1
SV_DATA
DREC_SYS
SV_CLOCK
TCF0
TCF1
SPARE

REF	D610WB,P,E,MC
C9807	0.1/UFV
C9808	0.1/UFV
C9809	0.1/UFV
C9810	0.1/UFV
IC9606	MC74HC4053FR
IC9607	MC74HC4053FR
L9806	100U/LC
R9811	*PAT/J3
R9853	100/J3
R9854	100/J3
R9855	56K/J3
R9856	100/J3
R9857	100/J3
R9858	56K/J3
R9859	56K/J3
R9860	56K/J3
R9861	56K/J3
R9862	56K/J3
R9863	56K/J3
R9864	*PAT/J3
R9865	56K/J3
R9866	*PAT/J3
R9867	*PAT/J3
R9868	*PAT/J3
R9869	*PAT/J3
R9870	*PAT/J3
R9872	*PAT/J3
R9873	*PAT/J3

COMPONENT NAME	INT_CONNECT	03/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80A65B	KR****** (3/3) (1)	
	SCM006	


SYNC SW
(VEP23490A)
26P
ON
OFF
CP4
CP3
CP2
CP1
SW3001
VSS0342
REMOTE
GL_GND
GL_IN
TRX_IN
CAM_L
INT_H
RBF
WSC
SCPHFINE
WND
HD
2CK1B
WND2
IC3404 *PAT
TP3001 EYF6CU
Q3001 2SD1819A-TX
IC3001 XC62AP5002PL
IC3002 EL4583CS-T1
IC3003 TC7W32FUTL
IC3018
TP3002 EYF6CU
IC3205 MC74HC125AFR
IC3005 AD790JR-R
TP3003 EYF6CU
IC3004 AD790JR-R
IC3105 MC74HC00AF-R
IC3106 MC74HC04AF-R
IC3006 NJM062M-T1
Q3002 2SD1819A-TX
Q3003 2SD1819A-TX
Q3004 2SD1819A-TX
Q3005 2SD1819A-TX
Q3006 *PAT
VR3001 2K/VR5
SC PHASE
L3001
L3002 100U/LC
L3006 100U/LC
L3007 100U/LC
L3008
L3009 100U/LC
L3010 100U/LC
L3011 *PAT/LC
IC3102 MC74HC04AF-R
IC3007 MC74HC125AFR
IC3008 NJM062M-T1
VR3002 *PAT/VR5
CK1 PHASE
D3001 MA3020-TX
D3002 MA3020-TX
D3003 MA143-TX
X3001
IC3009 TC7SH04FUTL
IC3010 TC7SH04FUTL
TP3004 EYF6CU
IC3016 *PAT
IC3017 *PAT
IC3019 *PAT
IC3011 *PAT
VR3003 *PAT/VR5
CK2 PHASE
IC3012
D3004
D3005
D3006
X3002 *PAT
X3003
IC3013
IC3014
TP3005
IC3015 *PAT
IC3003 TC7W32FUTL
IC3007 MC74HC125AFR
RSY
SCDL
RBST
HD_VM
2CK1
FCK
FCK_GND
2CK1_V
2CK1A
2CK2
2FCK
2FCK_GND
2CK2_SDI
+5V
+5VB
+5VA
+5VC
+9V
+9VA
+3V
+3VA
-5VA
-5R6V
+5R6V
A
B
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D
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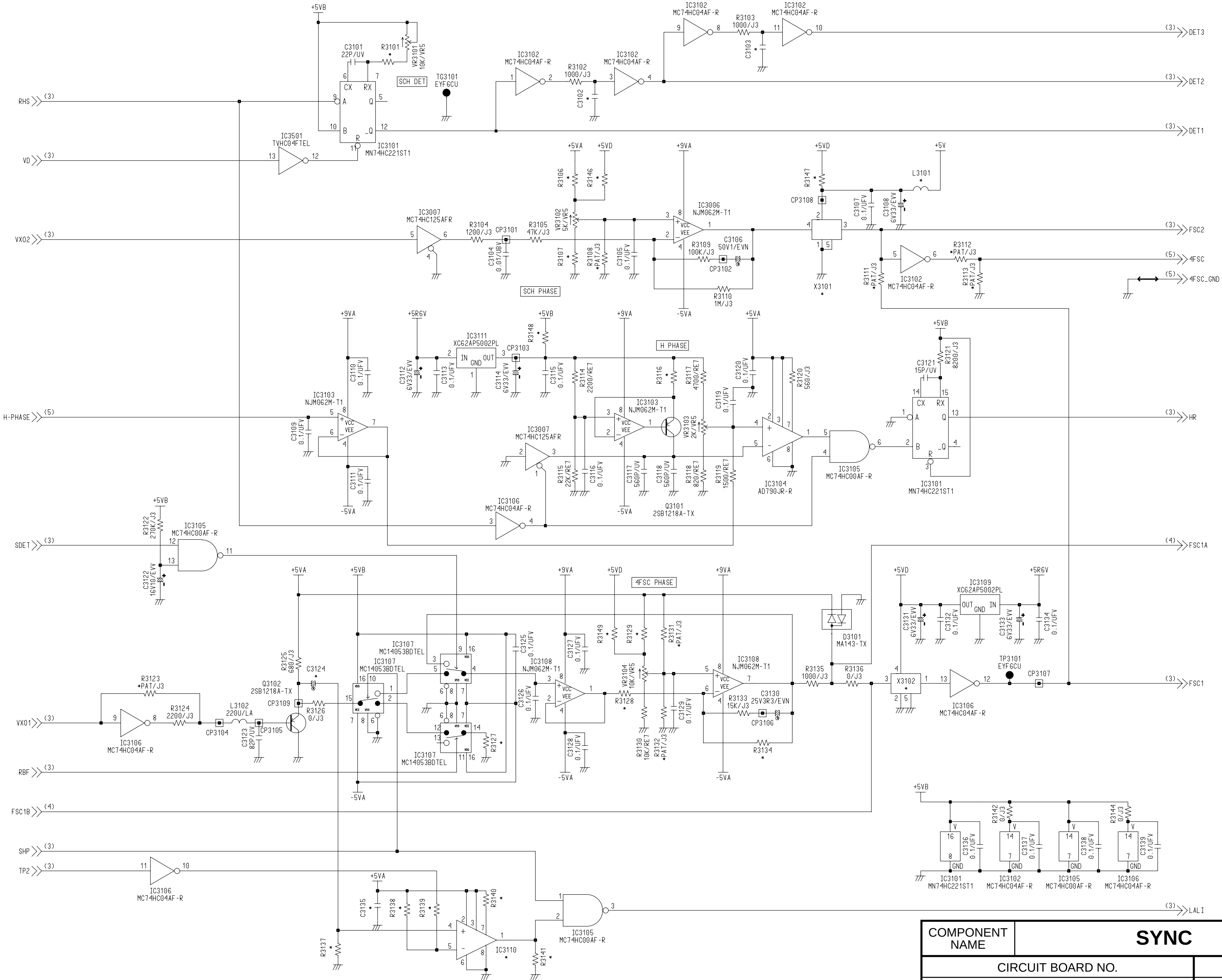
COMPONENT NAME	SYNC	01/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23480F/G	KR****** (1/6) (0)	
	SCM007	



RHS (3)
VD (3)
VXO2 (3)
H-PHASE (5)
SDET (3)
VXO1 (3)
RBF (3)
FSC1B (4)
SHP (3)
TP2 (3)
(3) DET3
(3) DET2
(3) DET1
(3) FSC2
(5) 4FSC
(5) 4FSC_GND
(3) HR
(4) FSC1A
(3) FSC1
(3) LALI
+5VB
C3101 22P/UV
R3101
VR3101 10K/VR5
IC3101 MN74HC221ST1
SCH DET
TG3101 EYF6CU
IC3501 TVHC04FTEL
IC3102 MC74HC04AF-R
R3102 1000/J3
C3102
R3103 1000/J3
C3103
IC3007 MC74HC125AFR
R3104 1200/J3
CP3101
C3104 0.01/UBV
R3105 4.7K/J3
VR3102 5K/VR5
R3106
R3146
R3107
R3108 PAT/J3
C3105 0.1/UFV
SCH PHASE
IC3006 NJM062M-T1
R3109 100K/J3
CP3102
C3106 50V1/EVN
R3110 1M/J3
+5VA
+5VD
+9VA
-5VA
+5V
R3147
CP3108
C3107 0.1/UFV
C3108 6V33/EVW
L3101
X3101
R3111 PAT/J3
R3112 PAT/J3
R3113 PAT/J3
+5R6V
IC3111 XC62AP5002PL
C3112 6V33/EVW
C3113 0.1/UFV
CP3103
C3114 6V33/EVW
R3148
C3115 0.1/UFV
R3114 2200/RE7
H PHASE
IC3103 NJM062M-T1
C3110 0.1/UFV
C3109 0.1/UFV
C3111 0.1/UFV
R3116
R3117 4700/RE7
VR3103 2K/VR5
C3119 0.1/UFV
C3120 0.1/UFV
R3120 560/J3
R3115 22K/RE7
C3116 0.1/UFV
C3117 560P/UV
C3118 560P/UV
R3118 820/RE7
R3119 1500/RE7
Q3101 2SB1218A-TX
IC3104 AD790JR-R
IC3105 MC74HC00AF-R
C3121 15P/UV
R3121 8200/J3
IC3106 MC74HC04AF-R
R3122 270K/J3
C3122 16V10/EVW
R3123 PAT/J3
R3124 2200/J3
CP3104
L3102 220U/LA
C3123 82P/UV
CP3105
Q3102 2SB1218A-TX
CP3109
R3125 680/J3
C3124
R3126 0/J3
IC3107 MC14053BDTEL
C3125 0.1/UFV
C3126 0.1/UFV
IC3108 NJM062M-T1
C3127 0.1/UFV
C3128 0.1/UFV
R3149
R3129
R3131 PAT/J3
4FSC PHASE
VR3104 10K/VR5
R3128
R3130 10K/RE7
R3132 PAT/J3
C3129 0.1/UFV
R3133 15K/J3
CP3106
C3130 25V3R3/EVN
R3134
R3127
D3101 MA143-TX
R3135 1000/J3
R3136 0/J3
X3102
IC3109 XC62AP5002PL
C3131 6V33/EVW
C3132 0.1/UFV
C3133 6V33/EVW
C3134 0.1/UFV
TP3101 EYF6CU
CP3107
R3142 0/J3
R3144 0/J3
C3136 0.1/UFV
C3137 0.1/UFV
C3138 0.1/UFV
C3139 0.1/UFV
IC3101 MN74HC221ST1
IC3102 MC74HC04AF-R
IC3105 MC74HC00AF-R
IC3106 MC74HC04AF-R
C3135
R3138
R3139
R3140
R3137
IC3110
R3141
A
B
C
D
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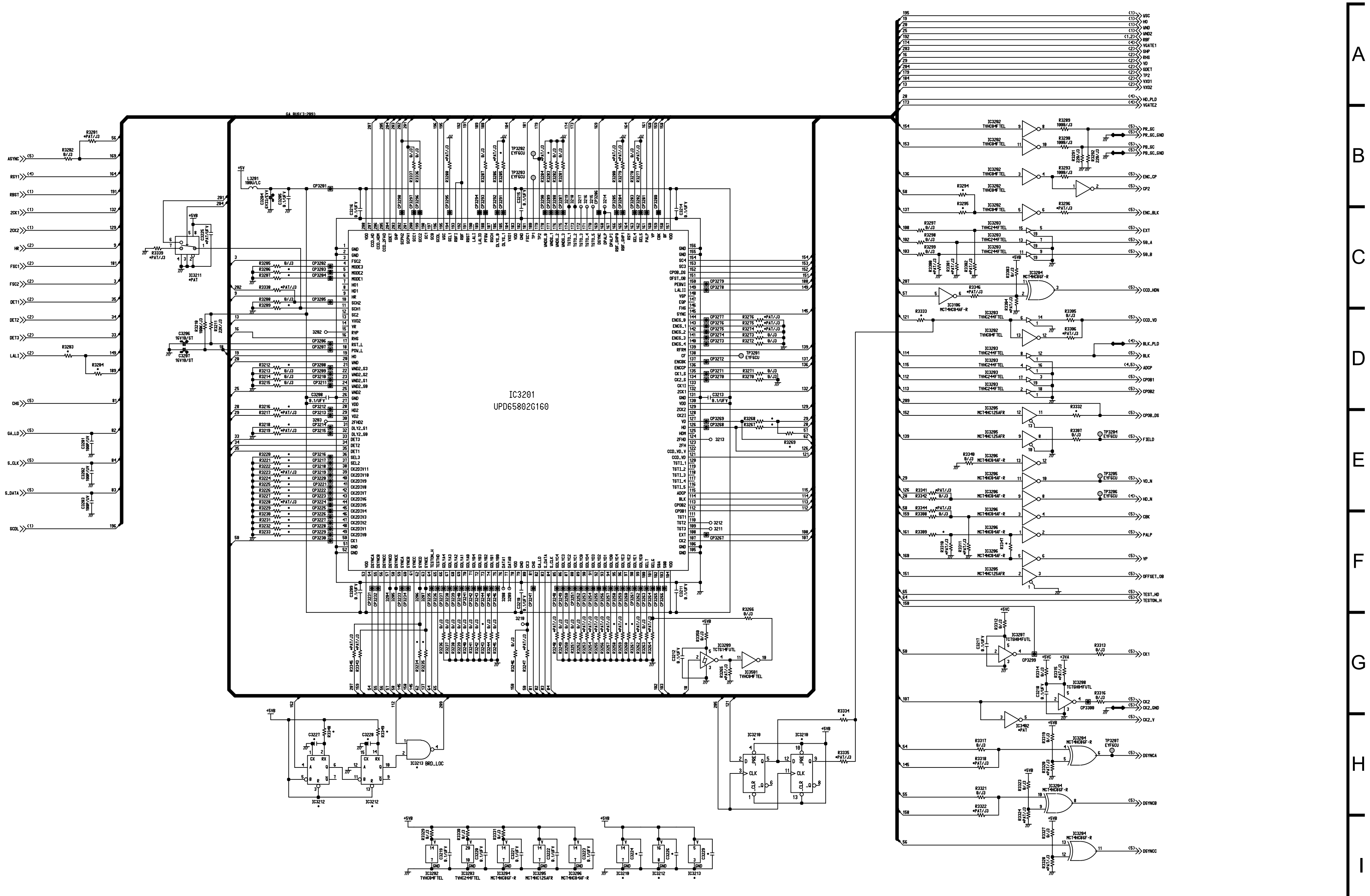
COMPONENT NAME	SYNC	02/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23480F/G	KR****** (2/6) (0)	
	SCM008	


IC3201
UPD65802G160
ASYNC
RST1
RBST
2CK1
2CK2
HR
FSC1
FSC2
DET1
DET2
DET3
LALI
CHS
GA_LD
S_CLK
S_DATA
SCOL
VSC
HD
VND
VND2
RBF
VGATE1
SHP
RHS
VD
SDET
TP2
VXD1
VXD2
HD_PLD
VGATE2
PB_SC
PB_SC_GND
ENC_CP
CP2
ENC_BLK
EXT
SB_A
SB_B
CCD_HDN
CCD_VD
BLK_PLD
BLK
ADCP
CPOB1
CPOB2
CPOB_DS
FIELD
VD_N
HD_N
CBK
PALP
VP
OFFSET_OB
TEST_HD
TESTON_H
CK1
CK2
CK2_GND
CK2_V
DSYNCA
DSYNCB
DSYNCC
A
B
C
D
E
F
G
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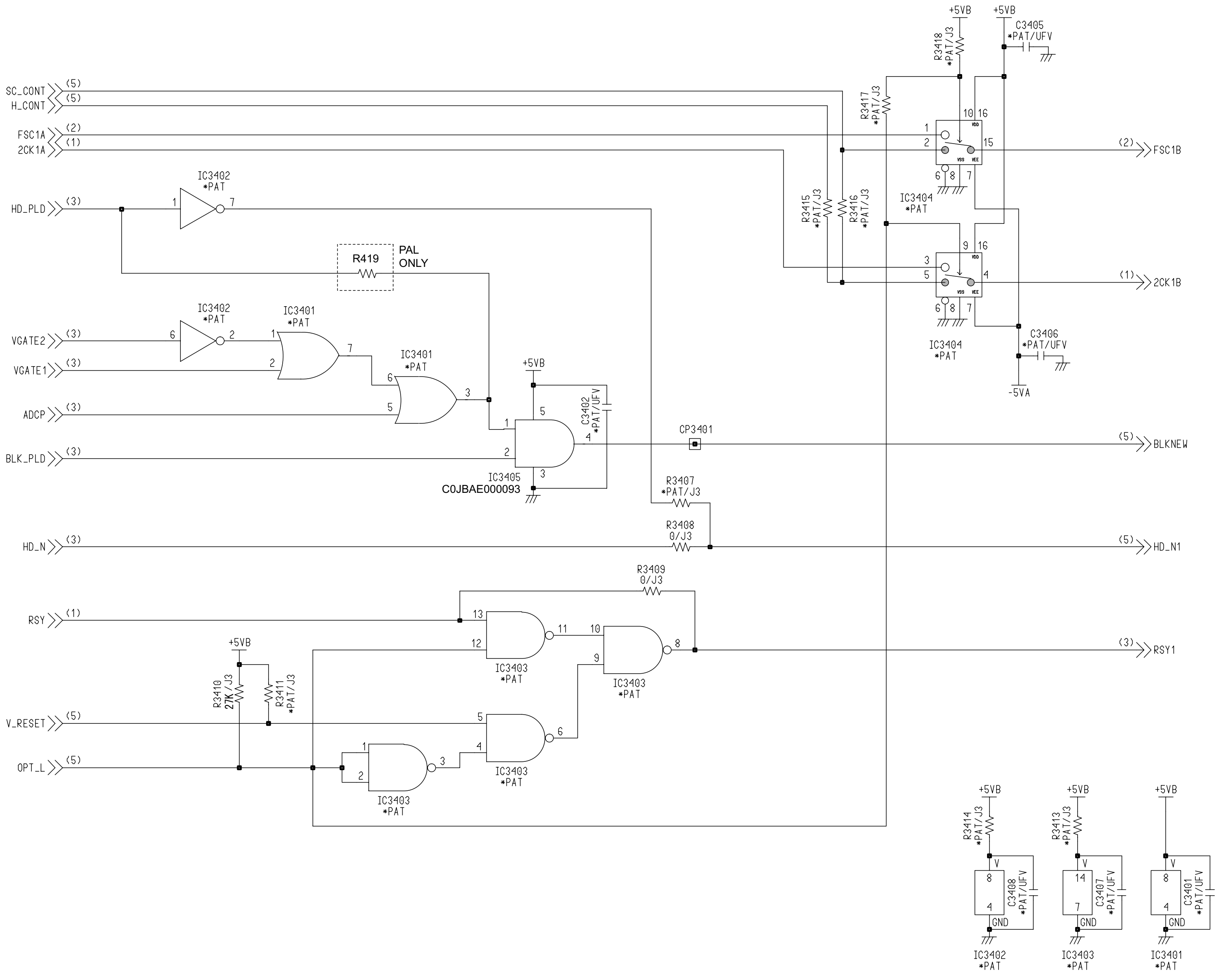
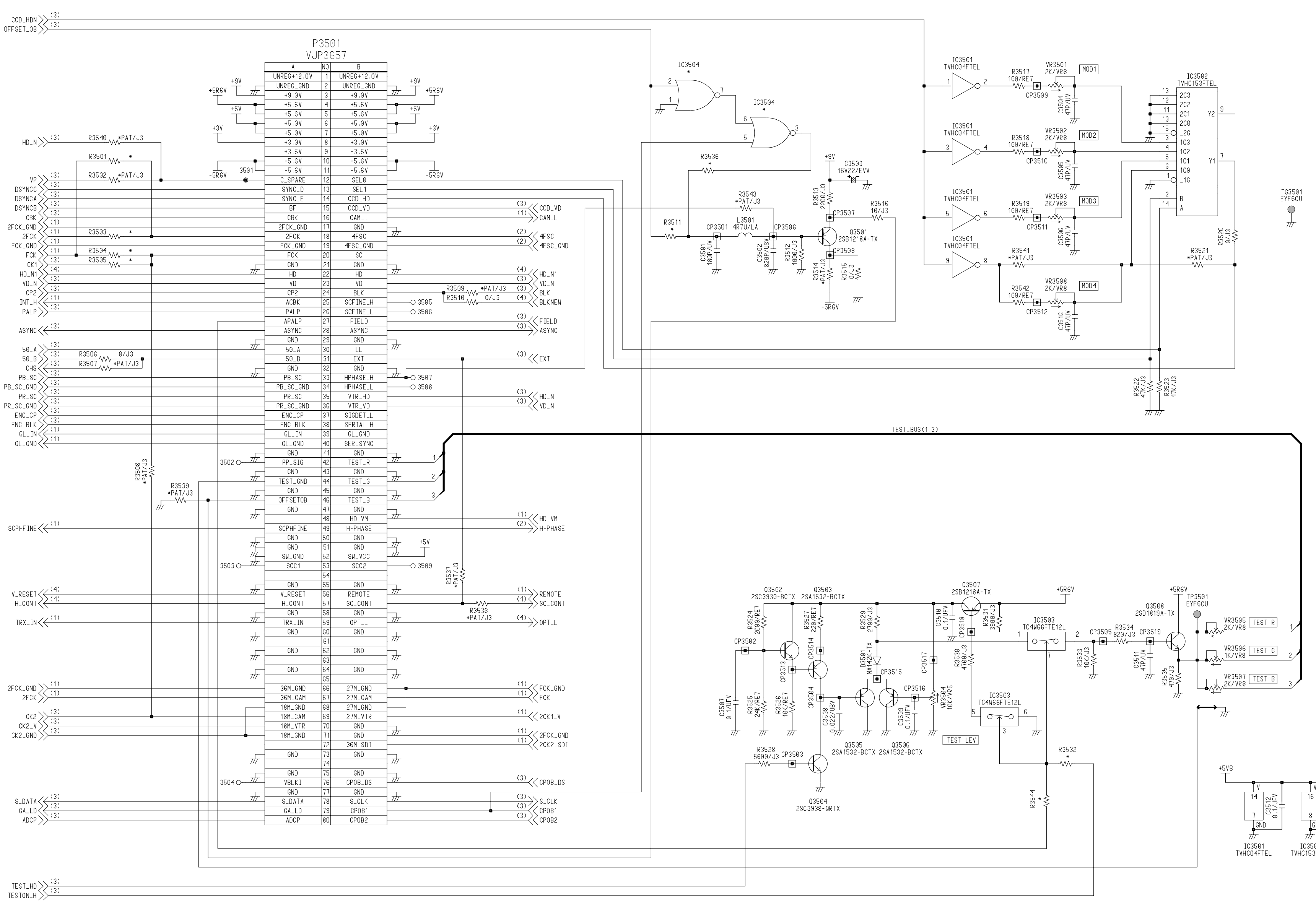
COMPONENT NAME	**SYNC**	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23480F/G	KR****** (3/6) (0)	
	SCM009	


SC_CONT (5)
H_CONT (5)
FSC1A (2)
2CK1A (1)
HD_PLD (3)
VGATE2 (3)
VGATE1 (3)
ADCP (3)
BLK_PLD (3)
HD_N (3)
RSY (1)
V_RESET (5)
OPT_L (5)
IC3402 *PAT
IC3401 *PAT
IC3405
C0JBAE000093
IC3403 *PAT
IC3404 *PAT
R419
PAL ONLY
+5VB
-5VA
C3402 *PAT/UFV
C3405 *PAT/UFV
C3406 *PAT/UFV
C3408 *PAT/UFV
C3407 *PAT/UFV
C3401 *PAT/UFV
R3418 *PAT/J3
R3417 *PAT/J3
R3415 *PAT/J3
R3416 *PAT/J3
R3407 *PAT/J3
R3408 0/J3
R3409 0/J3
R3410 27K/J3
R3411 *PAT/J3
R3414 *PAT/J3
R3413 *PAT/J3
CP3401
VDD
VSS
VEE
V
GND
(2) FSC1B
(1) 2CK1B
(5) BLKNEW
(5) HD_N1
(3) RSY1

COMPONENT NAME	**SYNC**	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23480F/G	KR****** (4/6) (0)	
	SCM010	


P3501
VJP3657
CCD_HDN
OFFSET_OB
HD_N
VP
DSYNCC
DSYNCA
DSYNCB
CBK
2FCK_GND
2FCK
FCK_GND
FCK
CK1
HD_N1
VD_N
CP2
INT_H
PALP
ASYNC
50_A
50_B
CHS
PB_SC
PB_SC_GND
PR_SC
PR_SC_GND
ENC_CP
ENC_BLK
GL_IN
GL_GND
SCPHFINE
V_RESET
H_CONT
TRX_IN
2FCK_GND
2FCK
CK2
CK2_V
CK2_GND
S_DATA
GA_LD
ADCP
TEST_HD
TESTON_H
CCD_VD
CAM_L
4FSC
4FSC_GND
HD_N1
VD_N
BLK
BLKNEW
FIELD
ASYNC
EXT
HD_N
VD_N
HD_VM
H-PHASE
REMOTE
SC_CONT
OPT_L
FCK_GND
FCK
2CK1_V
2FCK_GND
2CK2_SDI
CPOB_DS
S_CLK
CPOB1
CPOB2
TEST_BUS(1:3)
IC3504
IC3501 TVHC04FTEL
IC3502 TVHC153FTEL
IC3503 TC4W66FTE12L
Q3501 2SB1218A-TX
Q3502 2SC3930-BCTX
Q3503 2SA1532-BCTX
Q3504 2SC3938-QRTX
Q3505 2SA1532-BCTX
Q3506 2SA1532-BCTX
Q3507 2SB1218A-TX
Q3508 2SD1819A-TX
D3501 MA142K-TX
L3501 4R7U/LA
C3503 16V22/EVV
MOD1
MOD2
MOD3
MOD4
TEST R
TEST G
TEST B
TEST LEV
TG3501 EYF6CU
TP3501 EYF6CU
VR3501 2K/VR8
VR3502 2K/VR8
VR3503 2K/VR8
VR3508 2K/VR8
VR3504 10K/VR5
VR3505 2K/VR8
VR3506 1K/VR8
VR3507 2K/VR8
+9V
+5V
+3V
+5R6V
-5R6V
+5VB

COMPONENT NAME	SYNC	05/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23480F/G	KR****** (5/6) (0)	
	SCM011	

REF	D610WB,P D910WB,P	D610WBE,MC D910WBE,MC
C3013	39P/UV	27P/UV
C3018	PAT/UFV	<-
C3030	50V0.47/EVN	50V1/EVN
C3032	0.1/UFV	0.1/UBV
C3036	PAT/UFV	PAT/UFV
C3037	0.1/UFV	<-
C3038	0.01/UBV	<-
C3039	0.1/UFV	<-
C3040	0.1/UFV	<-
C3041	0.1/UFV	<-
C3042	50V0.47/EVN	50V1/EVN
C3043	1000P/USV	<-
C3044	0.1/UFV	0.1/UBV
C3045	6V33/EVV	<-
C3046	0.1/UFV	<-
C3047	0.1/UFV	<-
C3048	PAT/UFV	<-
C3059	PAT/EVV	<-
C3060	PAT/UFV	<-
C3063	PAT/UFV	<-
C3064	PAT/UFV	<-
C3065	PAT/UV	<-
C3066	PAT/UV	<-
C3067	PAT/UBN	<-
C3068	0.1/UFV	<-
C3069	PAT/UFV	<-
C3102	15P/UV	PAT/UV
C3103	15P/UV	PAT/UV
C3124	PAT/EVN	16V10/EVN
C3135	PAT/UFV	0.1/UFV
C3224	0.1/UFV	<-
C3225	PAT/UFV	<-
C3226	0.1/UFV	<-
C3227	0.1/UFV	<-
C3228	0.1/UFV	<-
C3229	0.1/UFV	<-
C3401	PAT/UFV	<-
C3402	PAT/UFV	<-
C3405	0.1/UFV	<-
C3406	0.1/UFV	<-
C3407	PAT/UFV	<-
C3408	PAT/UFV	<-
C3515	PAT/UFV	<-
D3004	MA3020-TX	<-
D3005	MA3020-TX	<-
D3006	MA143-GTX	<-
IC3011	PAT	<-
IC3012	NJM062M-T1	<-
IC3013	TC7SH04FUTL	<-

REF	D610WB,P D910WB,P	D610WBE,MC D910WBE,MC
IC3014	TC7SH86FUTL	TC7SH86FUTL
IC3015	PAT	<-
IC3016	PAT	<-
IC3017	PAT	<-
IC3018	TC7S32FUTL	TC7S32FUTL
IC3019	PAT	<-
IC3110	PAT	AD790JR-R
IC3210	TVHC74FTEL	PAT
IC3211	PAT	<-
IC3212	MC74HC4538AR	MC74HC4538AR
IC3213	TC7S00FUTL	TC7S00FUTL
IC3401	PAT	<-
IC3402	PAT	<-
IC3403	PAT	<-
IC3404	MC14053BDTEL	MC14053BDTEL
IC3405	PAT	TC7SH32FUTL
IC3504	PAT	PAT
L3001	68U/LA	39U/LA
L3003	PAT/LC	PAT/LC
L3004	100U/LC	VLP0352-T
L3005	100U/LC	VLP0352-T
L3008	PAT/LC	PAT/LC
L3011	PAT/LC	<-
L3012	PAT/LA	<-
L3101	PAT/LC	PAT/LC
Q3006	PAT	<-
R3001	PAT/J3	PAT/J3
R3025	PAT/J3	0/J3
R3026	0/J3	<-
R3027	4700/RE7	3900/RE7
R3028	PAT/J3	<-
R3031	20K/RE7	<-
R3033	1800/RE7	<-
R3035	33K/J3	68K/J3
R3036	22K/RE7	22K/RE7
R3037	27K/RE7	27K/RE7
R3039	16K/RE7	16K/RE7
R3040	22K/J3	5100/RE7
R3043	PAT/J3	PAT/J3
R3044	0/J3	VLP0353-T
R3045	0/J3	VLP0353-T
R3046	PAT/J3	<-
R3048	PAT/J3	<-
R3049	PAT/J3	<-
R3050	470/J3	470/J3
R3051	27K/J3	100K/RE7
R3052	PAT/J3	<-
R3053	PAT/J3	<-
R3054	15K/RE7	15K/RE7

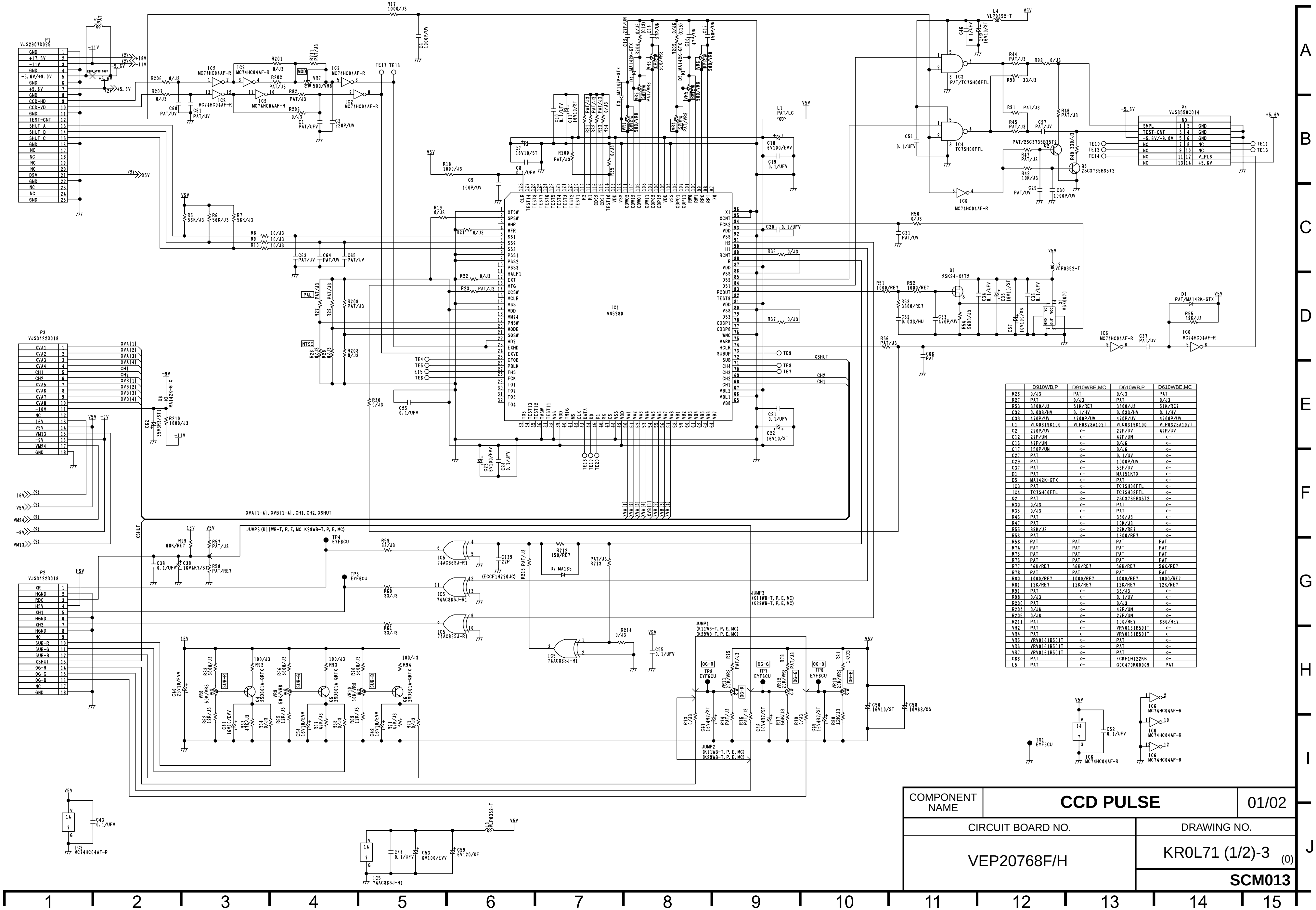
REF	D610WB,P D910WB,P	D610WBE,MC D910WBE,MC
R3055	16K/RE7	15K/RE7
R3056	22K/J3	5100/RE7
R3057	1M/J3	1M/J3
R3058	1000/J3	1000/J3
R3059	0/J3	VLP0353-T
R3060	PAT/J3	<-
R3061	0/J3	VLP0353-T
R3062	0/J3	0/J3
R3063	PAT/J3	<-
R3064	PAT/J3	<-
R3066	PAT/J3	<-
R3068	PAT/J3	<-
R3069	PAT/J3	<-
R3070	PAT/J3	<-
R3071	PAT/RE7	<-
R3072	22K/J3	75/J3
R3073	PAT/J3	<-
R3074	0/J3	0/J3
R3076	PAT/J3	<-
R3077	PAT/J3	PAT/J3
R3078	PAT/J3	<-
R3079	PAT/J3	<-
R3082	0/J3	0/J3
R3083	PAT/J3	<-
R3084	PAT/J3	PAT/J3
R3085	PAT/J3	<-
R3101	5600/RE7	8200/RE7
R3106	PAT/RE7	PAT/RE7
R3107	15K/RE7	8200/RE7
R3108	PAT/J3	<-
R3111	PAT/J3	<-
R3112	PAT/J3	<-
R3113	PAT/J3	<-
R3116	820/RE7	820/RE7
R3123	PAT/J3	<-
R3127	0/J3	PAT/J3
R3128	22K/J3	82K/J3
R3129	10K/RE7	PAT/RE7
R3131	PAT/J3	<-
R3132	PAT/J3	<-
R3134	680K/J3	1M/J3
R3136	PAT/J3	PAT/J3
R3137	PAT/J3	10K/J3
R3138	PAT/J3	18K/J3
R3139	PAT/J3	4700/J3
R3140	PAT/J3	560/J3
R3141	0/J3	PAT/J3
R3142	0/J3	VLP0353-T
R3146	10K/RE7	10K/RE7

REF	D610WB,P D910WB,P	D610WBE,MC D910WBE,MC
R3147	0/J3	0/J3
R3148	0/J3	0/J3
R3149	PAT/RE7	PAT/RE7
R3201	PAT/J3	<-
R3203	PAT/J3	0/J3
R3204	0/J3	PAT/J3
R3206	0/J3	PAT/J3
R3207	PAT/J3	PAT/J3
R3209	0/J3	0/J3
R3212	0/J3	PAT/J3
R3216	0/J3	0/J3
R3217	PAT/J3	<-
R3218	PAT/J3	PAT/J3
R3219	PAT/J3	<-
R3220	PAT/J3	0/J3
R3221	PAT/J3	0/J3
R3222	0/J3	0/J3
R3223	PAT/J3	<-
R3224	0/J3	0/J3
R3225	0/J3	0/J3
R3226	0/J3	PAT/J3
R3227	PAT/J3	0/J3
R3228	PAT/J3	0/J3
R3229	PAT/J3	0/J3
R3230	PAT/J3	0/J3
R3231	0/J3	0/J3
R3232	0/J3	0/J3
R3233	0/J3	0/J3
R3234	0/J3	0/J3
R3235	PAT/J3	PAT/J3
R3243	0/J3	0/J3
R3247	PAT/J3	<-
R3248	PAT/J3	<-
R3253	PAT/J3	<-
R3254	PAT/J3	<-
R3255	PAT/J3	<-
R3256	PAT/J3	<-
R3257	PAT/J3	<-
R3258	PAT/J3	PAT/J3
R3259	PAT/J3	<-
R3260	PAT/J3	PAT/J3
R3261	PAT/J3	PAT/J3
R3262	PAT/J3	<-
R3264	PAT/J3	<-
R3265	PAT/J3	<-
R3267	PAT/J3	PAT/J3
R3268	PAT/J3	PAT/J3
R3269	0/J3	0/J3
R3274	PAT/J3	<-

REF	D610WB,P D910WB,P	D610WBE,MC D910WBE,MC
R3275	PAT/J3	<-
R3276	PAT/J3	PAT/J3
R3277	PAT/J3	<-
R3278	0/J3	PAT/J3
R3279	PAT/J3	<-
R3280	PAT/J3	<-
R3283	0/J3	0/J3
R3284	PAT/J3	<-
R3285	PAT/J3	PAT/J3
R3286	PAT/J3	<-
R3288	PAT/J3	<-
R3294	PAT/J3	PAT/J3
R3295	0/J3	0/J3
R3296	PAT/J3	<-
R3300	PAT/J3	<-
R3301	PAT/J3	<-
R3302	PAT/J3	<-
R3304	PAT/J3	<-
R3306	PAT/J3	<-
R3309	0/J3	0/J3
R3310	PAT/J3	<-
R3311	PAT/J3	<-
R3315	PAT/J3	<-
R3318	PAT/J3	<-
R3320	PAT/J3	<-
R3322	PAT/J3	<-
R3324	PAT/J3	<-
R3328	PAT/J3	<-
R3329	0/J3	VLP0353-T
R3330	0/J3	VLP0353-T
R3331	0/J3	VLP0353-T
R3332	PAT/J3	PAT/J3
R3333	PAT/J3	0/J3
R3334	0/J3	PAT/J3
R3335	PAT/J3	<-
R3338	PAT/J3	<-
R3339	PAT/J3	<-
R3341	PAT/J3	<-
R3343	PAT/J3	<-
R3344	PAT/J3	<-
R3345	PAT/J3	<-
R3346	PAT/J3	<-
R3347	PAT/J3	PAT/J3
R3348	56K/J3	56K/J3
R3349	39K/J3	39K/J3
R3407	PAT/J3	<-
R3410	27K/J3	27K/J3
R3411	PAT/J3	<-
R3413	PAT/J3	<-

REF	D610WB,P D910WB,P	D610WBE,MC D910WBE,MC
R3414	PAT/J3	<-
R3415	PAT/J3	<-
R3416	PAT/J3	<-
R3417	0/J3	0/J3
R3418	PAT/J3	<-
R3419	PAT	9100/EROS
R3501	PAT/J3	PAT/J3
R3502	PAT/J3	<-
R3503	0/J3	0/J3
R3504	0/J3	0/J3
R3505	PAT/J3	PAT/J3
R3507	PAT/J3	<-
R3508	PAT/J3	<-
R3509	0/J3	PAT/J3
R3510	PAT/J3	0/J3
R3511	100/J3	100/J3
R3514	PAT/J3	<-
R3521	PAT/J3	<-
R3532	PAT/J3	<-
R3536	PAT/J3	PAT/J3
R3537	PAT/J3	<-
R3538	PAT/J3	<-
R3539	PAT/J3	<-
R3540	PAT/J3	<-
R3541	PAT/J3	<-
R3543	PAT/J3	<-
R3544	10K/J3	10K/J3
TP3005	EYF6CU	EYF6CU
VR3002	5K/VR5	10K/VR5
VR3003	PAT/VR5	<-
VR3505	2K/VR8	2K/VR8
X3001	VSX0788	VSX0788
X3002	PAT	<-
X3101	VSX0338	VSX0270
X3102	VSX0688	VSX0689

COMPONENT NAME	SYNC	06/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23480F/G	KR3W03 (6/6) (0)	
	SCM012	


P1
VJS2907D025
GND
+17.5V
-11V
GND
-5.6V/+9.0V
GND
+5.6V
GND
CCD-HD
CCD-VD
GND
TEST-CNT
SHUT A
SHUT B
SHUT C
GND
NC
D5V
P3
VJS3422D018
XVA1
XVA2
XVA3
XVA4
CH1
CH2
XVA5
XVA6
XVA7
XVA8
-10V
16V
V5V
VM13
-9V
VM24
P2
VJS3422D018
XR
HGND
RDC
H5V
XH1
XH2
SUB-R
SUB-G
SUB-B
XSHUT
OG-R
OG-G
OG-B
IC1
MN5280
IC2
MC74HC04AF-R
IC3
PAT/TC7SH00FTL
IC4
TC7SH00FTL
IC5
74AC86SJ-R1
IC6
MC74HC04AF-R
Q1
2SK94-X4T2
Q2
PAT/2SC3735B35T2
Q3
2SC3735B35T2
P4
VJS3550C014
SMPL
TEST-CNT
-5.6V/+9.0V
V PLS
+5.6V
TE10
TE11
TE12
TE13
TE14
XVA[1-4], XVB[1-4], CH1, CH2, XSHUT
JUMP3 (K11WB-T, P, E, MC K29WB-T, P, E, MC)
JUMP1
(K11WB-T, P, E, MC)
(K29WB-T, P, E, MC)
JUMP2
(K11WB-T, P, E, MC)
(K29WB-T, P, E, MC)
TP4
EYF6CU
TP5
EYF6CU
TG1
EYF6CU
A
B
C
D
E
F
G
H
I
J
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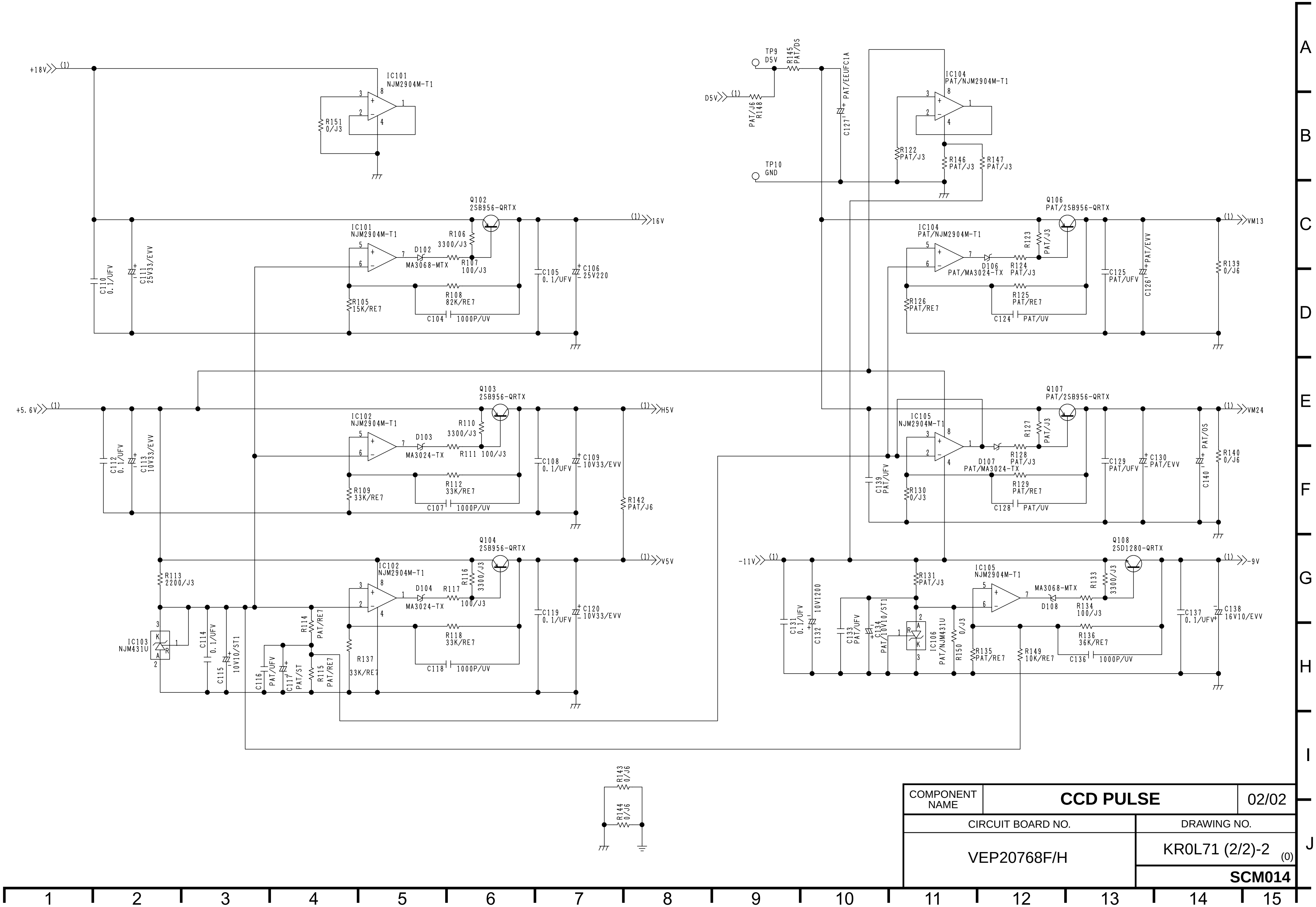
14
15

	D910WB,P	D910WBE,MC	D610WB,P	D610WBE,MC
R26	0/J3	PAT	0/J3	PAT
R27	PAT	0/J3	PAT	0/J3
R53	3300/J3	51K/RE7	3300/J3	51K/RE7
C32	0.033/HV	0.1/HV	0.033/HV	0.1/HV
C33	470P/UV	4700P/UV	470P/UV	4700P/UV
L1	VLQ0319K100	VLP0328A102T	VLQ0319K100	VLP0328A102T
C2	220P/UV	<-	22P/UV	47P/UV
C12	27P/UN	<-	47P/UN	<-
C16	47P/UN	<-	0/J6	<-
C17	150P/UN	<-	0/J6	<-
C27	PAT	<-	0.1/UV	<-
C29	PAT	<-	1000P/UV	<-
C37	PAT	<-	56P/UV	<-
D1	PAT	<-	MA151KTX	<-
D5	MA142K-GTX	<-	PAT	<-
IC3	PAT	<-	TC7SH08FTL	<-
IC4	TC7SH00FTL	<-	TC7SH08FTL	<-
Q2	PAT	<-	2SC3735B35T2	<-
R30	0/J3	<-	PAT	<-
R35	0/J3	<-	PAT	<-
R46	PAT	<-	330/J3	<-
R47	PAT	<-	10K/J3	<-
R55	39K/J3	<-	27K/RE7	<-
R56	PAT	<-	1800/RE7	<-
R58	PAT	PAT	PAT	PAT
R74	PAT	PAT	PAT	PAT
R75	PAT	PAT	PAT	PAT
R76	PAT	PAT	PAT	PAT
R77	56K/RE7	56K/RE7	56K/RE7	56K/RE7
R78	PAT	PAT	PAT	PAT
R80	1000/RE7	1000/RE7	1000/RE7	1000/RE7
R81	12K/RE7	12K/RE7	12K/RE7	12K/RE7
R91	PAT	<-	33/J3	<-
R98	0/J3	<-	0.1/UV	<-
R200	PAT	<-	0/J3	<-
R204	0/J6	<-	47P/UN	<-
R205	0/J6	<-	27P/UN	<-
R211	PAT	<-	100/RE7	680/RE7
VR2	PAT	<-	VRV0161B501T	<-
VR4	PAT	<-	VRV0161B501T	<-
VR5	VRV0161B501T	<-	PAT	<-
VR6	VRV0161B501T	<-	PAT	<-
VR7	VRV0161B501T	<-	PAT	<-
C66	PAT	<-	ECKF1H122KB	<-
L5	PAT	<-	G0C470K00009	PAT

COMPONENT NAME	CCD PULSE	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP20768F/H	KR0L71 (1/2)-3 (0)	
	SCM013	


+18V
(1)
IC101
NJM2904M-T1
R151
0/J3
Q102
2SB956-QRTX
R106
3300/J3
D102
MA3068-MTX
R107
100/J3
R108
82K/RE7
R105
15K/RE7
C104
1000P/UV
C110
0.1/UFV
C111
25V33/EVV
C105
0.1/UFV
C106
25V220
16V
+5.6V
C112
0.1/UFV
C113
10V33/EVV
Q103
2SB956-QRTX
IC102
NJM2904M-T1
R110
3300/J3
D103
MA3024-TX
R111 100/J3
R112
33K/RE7
R109
33K/RE7
C107
1000P/UV
C108
0.1/UFV
C109
10V33/EVV
H5V
R142
PAT/J6
Q104
2SB956-QRTX
R116
3300/J3
D104
MA3024-TX
R117
100/J3
R118
33K/RE7
C118
1000P/UV
R137
33K/RE7
C119
0.1/UFV
C120
10V33/EVV
V5V
R113
2200/J3
IC103
NJM431U
K
R
A
C114
0.1/UFV
C115
10V10/ST1
C116
PAT/UFV
C117
PAT/ST
R114
PAT/RE7
R115
PAT/RE7
TP9
D5V
R145
PAT/DS
D5V
R148
PAT/J6
C127
PAT/EEUFC1A
IC104
PAT/NJM2904M-T1
R122
PAT/J3
R146
PAT/J3
R147
PAT/J3
TP10
GND
Q106
PAT/2SB956-QRTX
IC104
PAT/NJM2904M-T1
R123
PAT/J3
D106
PAT/MA3024-TX
R124
PAT/J3
R125
PAT/RE7
R126
PAT/RE7
C124
PAT/UV
C125
PAT/UFV
C126
PAT/EVV
R139
0/J6
VM13
Q107
PAT/2SB956-QRTX
IC105
NJM2904M-T1
R127
PAT/J3
D107
PAT/MA3024-TX
R128
PAT/J3
R129
PAT/RE7
R130
0/J3
C128
PAT/UV
C139
PAT/UFV
C129
PAT/UFV
C130
PAT/EVV
C140
PAT/OS
R140
0/J6
VM24
-11V
Q108
2SD1280-QRTX
IC105
NJM2904M-T1
R131
PAT/J3
D108
MA3068-MTX
R133
3300/J3
R134
100/J3
R136
36K/RE7
C136
1000P/UV
R135
PAT/RE7
R149
10K/RE7
R150
0/J3
IC106
PAT/NJM431U
C131
0.1/UFV
C132
10V1200
C133
PAT/UFV
C134
PAT/10V10/ST1
C137
0.1/UFV
C138
16V10/EVV
-9V
R143
0/J6
R144
0/J6
A
B
C
D
E
F
G
H
I
J
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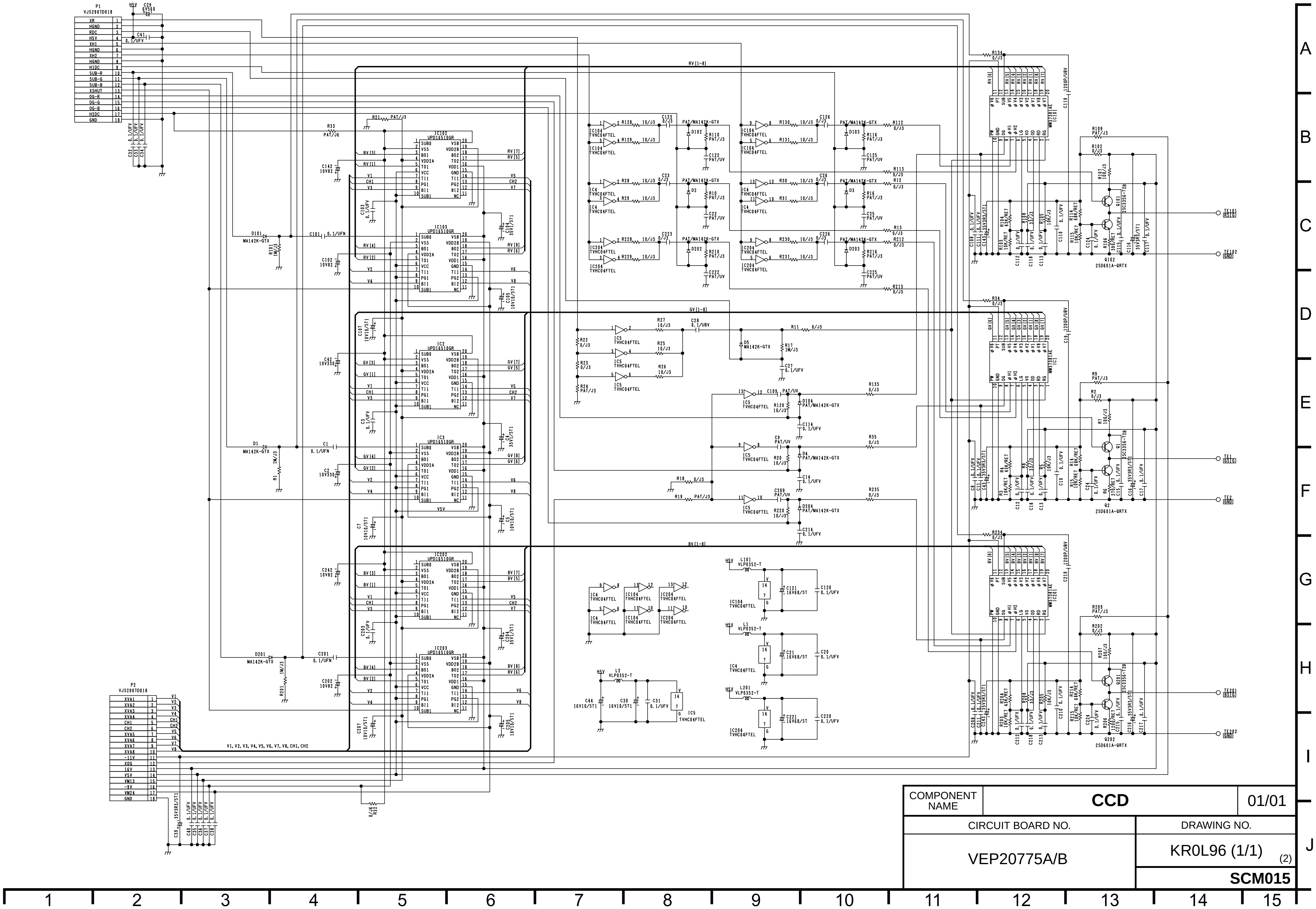
COMPONENT NAME	CCD PULSE	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP20768F/H	KR0L71 (2/2)-2 (0)	
	SCM014	


P1
VJS2907D018
XR
HGND
BDC
H5V
XH1
HGND
XH2
HGND
H1DC
SUB-R
SUB-G
SUB-B
XSHUT
OG-R
OG-G
OG-B
H2DC
GND
RV[1-8]
GV[1-8]
BV[1-8]
IC102
UPD16510GR
IC103
UPD16510GR
IC2
UPD16510GR
IC3
UPD16510GR
IC202
UPD16510GR
IC203
UPD16510GR
D101
MA142K-GTX
D1
MA142K-GTX
D201
MA142K-GTX
IC104
TVHC04FTEL
IC204
TVHC04FTEL
IC4
TVHC04FTEL
IC5
TVHC04FTEL
IC101
MN3381AE
IC1
MN3381AE
IC201
MN3381AE
Q101
2SC3356-T2B
Q102
2SD601A-QRTX
Q1
2SC3356-T2B
Q2
2SD601A-QRTX
Q201
2SC3356-T2B
Q202
2SD601A-QRTX
L101
VLP0352-T
L1
VLP0352-T
L2
VLP0352-T
L201
VLP0352-T
TE101
TE102
TE1
TE2
TE201
TE202
P2
VJS2907D018
XVA1
XVA2
XVA3
XVA4
CH1
CH2
XVA5
XVA6
XVA7
XVA8
-11V
XOG
16V
V5V
VM13
-9V
VM24
GND
V1, V2, V3, V4, V5, V6, V7, V8, CH1, CH2
A
B
C
D
E
F
G
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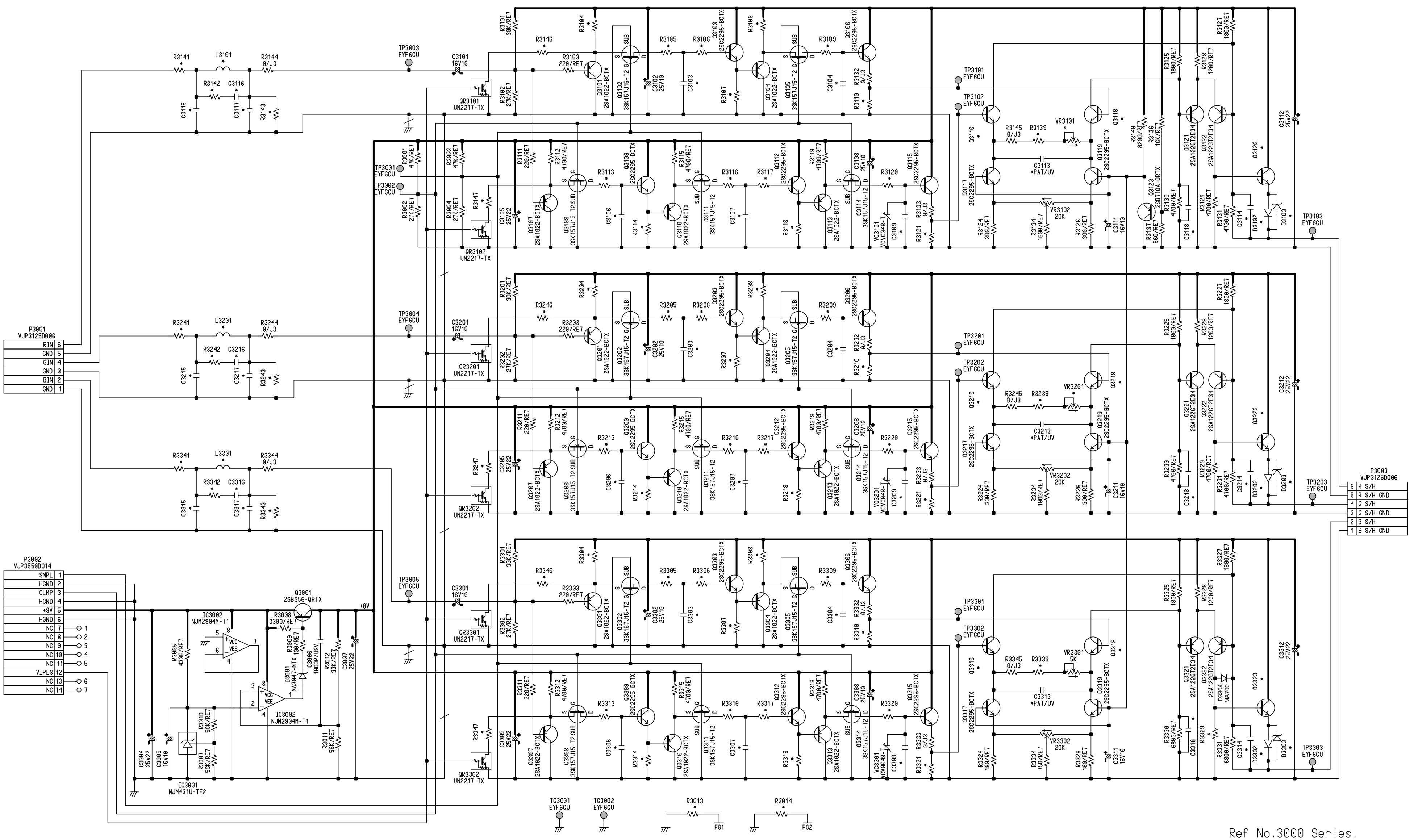
COMPONENT NAME	CCD	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP20775A/B	KR0L96 (1/1) (2)	
	SCM015	


P3001
VJP3125D006
RIN 6
GND 5
GIN 4
GND 3
BIN 2
GND 1
P3002
VJP3550D014
SMPL 1
HGND 2
CLMP 3
HGND 4
+9V 5
HGND 6
NC 7
NC 8
NC 9
NC 10
NC 11
V_PLS 12
NC 13
NC 14
P3003
VJP3125D006
6 R S/H
5 R S/H GND
4 G S/H
3 G S/H GND
2 B S/H
1 B S/H GND
Q3001
2SB956-QRTX
IC3002
NJM2904M-T1
IC3001
NJM431U-TE2
D3001
MA3047-MTX
+8V
TP3003
EYF6CU
TP3004
EYF6CU
TP3005
EYF6CU
TP3001
EYF6CU
TP3002
EYF6CU
TP3103
EYF6CU
TP3203
EYF6CU
TP3303
EYF6CU
QR3101
UN2217-TX
QR3102
UN2217-TX
QR3201
UN2217-TX
QR3202
UN2217-TX
QR3301
UN2217-TX
QR3302
UN2217-TX
Q3102
3SK157J15-T2
Q3101
2SA1022-BCTX
Q3103
2SC2295-BCTX
VR3101
VR3102
20K
VR3201
VR3202
20K
VR3301
5K
VR3302
20K
VC3101
VCV0048
VC3201
VCV0048
VC3301
VCV0048
D3300
MA700
TG3001
EYF6CU
TG3002
EYF6CU
R3013
FG1
R3014
FG2
A
B
C
D
E
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G
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J
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Ref No.3000 Series.

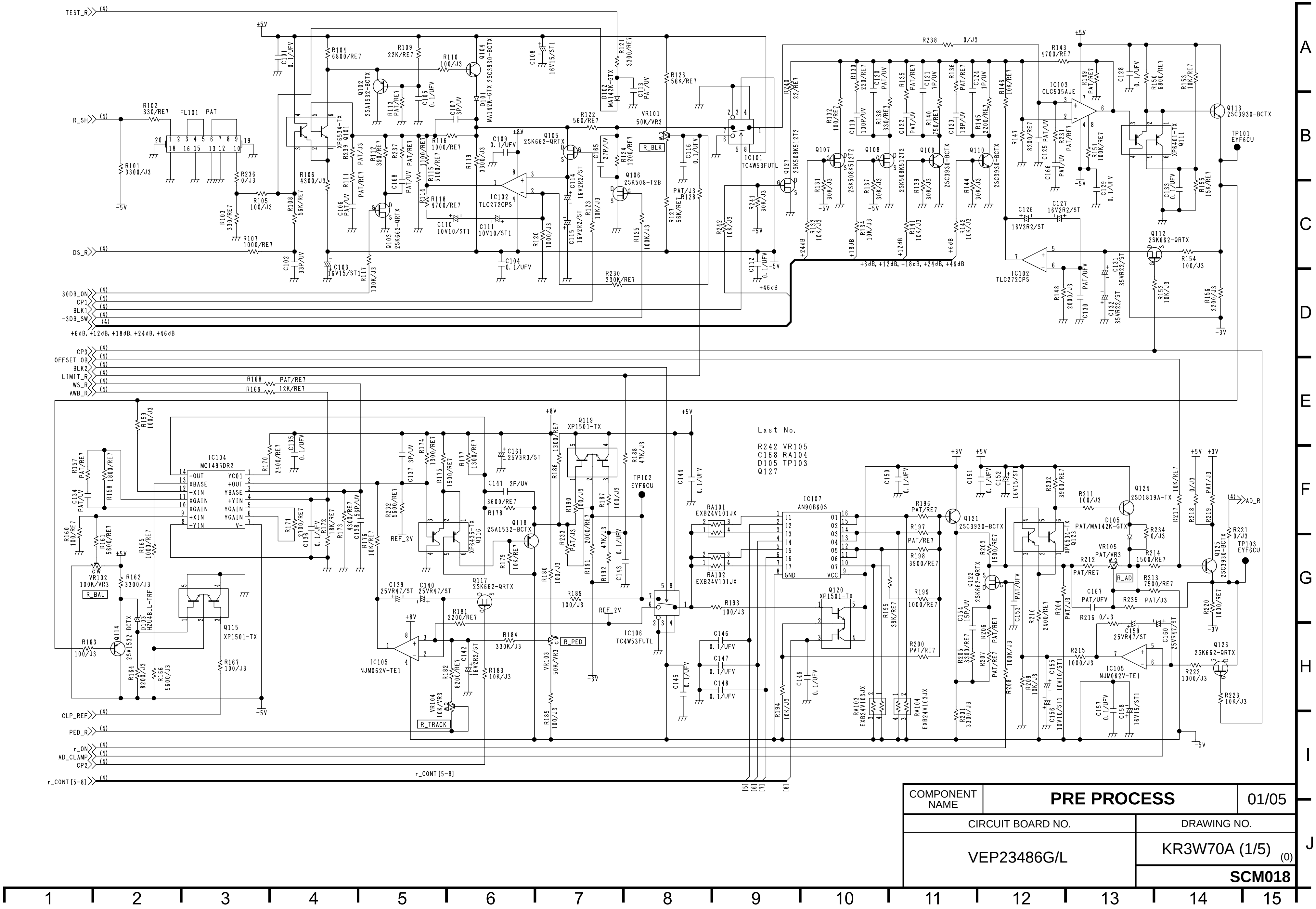
COMPONENT NAME	CDS	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP25016U/V	KR****** (1/2) (0)	
	SCM016	

REF	D610WB,P,E,MC
C3103	47P/UV
C3104	47P/UV
C3106	47P/UV
C3107	47P/UV
C3109	10P/UV
C3114	1P/UV
C3115	PAT/UV
C3116	0/J3
C3117	PAT/UV
C3118	2P/UV
C3203	47P/UV
C3204	47P/UV
C3206	47P/UV
C3207	47P/UV
C3209	10P/UV
C3214	1R5P/UV
C3215	PAT/UV
C3216	0/J3
C3217	PAT/UV
C3218	6P/UV
C3303	47P/UV
C3304	47P/UV
C3306	47P/UV
C3307	47P/UV
C3309	10P/UV
C3314	0R5P/UV
C3315	PAT/UV
C3316	0/J3
C3317	PAT/UV
C3318	-
D3102	MA151K-TX
D3103	-
D3202	MA151K-TX
D3203	-
D3302	MA151K-TX
D3303	-
L3101	PAT/LA
L3201	PAT/LA
L3301	PAT/LA
Q3116	2SC2295-BCTX
Q3118	2SC2295-BCTX
Q3120	2SC2295-BCTX
Q3216	2SC2295-BCTX
Q3218	2SC2295-BCTX
Q3220	2SC2295-BCTX
Q3316	2SC2295-BCTX
Q3318	2SC2295-BCTX
Q3323	2SC2295-BCTX

REF	D610WB,P,E,MC
R3013	0/J6
R3014	0/J6
R3104	1500/RE7
R3105	22/RE7
R3106	1000/RE7
R3107	15K/RE7
R3108	1500/RE7
R3109	22/RE7
R3110	15K/RE7
R3113	22/RE7
R3114	15K/RE7
R3116	22/RE7
R3117	1000/RE7
R3118	15K/RE7
R3120	22/RE7
R3121	15K/RE7
R3139	2700/RE7
R3141	0/J3
R3142	0/J3
R3143	PAT/RE7
R3146	1200/RE7
R3147	3300/RE7
R3204	1500/RE7
R3205	22/RE7
R3206	1000/RE7
R3207	15K/RE7
R3208	1500/RE7
R3209	22/RE7
R3210	15K/RE7
R3213	22/RE7
R3214	15K/RE7
R3216	22/RE7
R3217	1000/RE7
R3218	15K/RE7
R3220	22/RE7
R3221	15K/RE7
R3239	4700/RE7
R3241	0/J3
R3242	0/J3
R3243	PAT/RE7
R3246	1200/RE7
R3247	3300/RE7
R3304	1500/RE7
R3305	22/RE7
R3306	1000/RE7
R3307	15K/RE7
R3308	1500/RE7
R3309	22/RE7

REF	D610WB,P,E,MC
R3310	15K/RE7
R3313	22/RE7
R3314	15K/RE7
R3316	22/RE7
R3317	1000/RE7
R3318	15K/RE7
R3320	22/RE7
R3321	15K/RE7
R3329	4700/RE7
R3339	1000/RE7
R3341	0/J3
R3342	0/J3
R3343	PAT/RE7
R3346	1200/RE7
R3347	3300/RE7
VR3101	VRV0113B103T
VR3201	VRV0113B103T

COMPONENT NAME	**CDS**	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP25016U/V	KR****** (2/2) (0)	
	SCM017	



TEST_R
R_SH
DS_R
30DB_ON
CP1
BLK1
-3DB_SW
+6dB, +12dB, +18dB, +24dB, +46dB
CP3
OFFSET_OB
BLK2
LIMIT_R
WS_R
AWB_R
CLP_REF
PED_R
r_ON
AD_CLAMP
CP2
r_CONT [5-8]
AD_R
FL101 PAT
IC101 TC4W53FUTL
IC102 TLC272CPS
IC103 CLC505AJE
IC104 MC1495DR2
IC105 NJM062V-TE1
IC106 TC4W53FUTL
IC107 AN90B60S
VR101 50K/VR3
R_BLK
VR102 100K/VR3
R_BAL
VR103 50K/VR3
R_PED
VR104 10K/VR3
R_TRACK
VR105 PAT/VR3
R_AD
TP101 EYF6CU
TP102 EYF6CU
TP103 EYF6CU
RA101 EXB24V101JX
RA102 EXB24V101JX
RA103 EXB24V103JX
RA104 EXB24V103JX
Last No.
R242 VR105
C168 RA104
D105 TP103
Q127
+5V
+8V
+3V
-5V
-3V
A
B
C
D
E
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G
H
I
J
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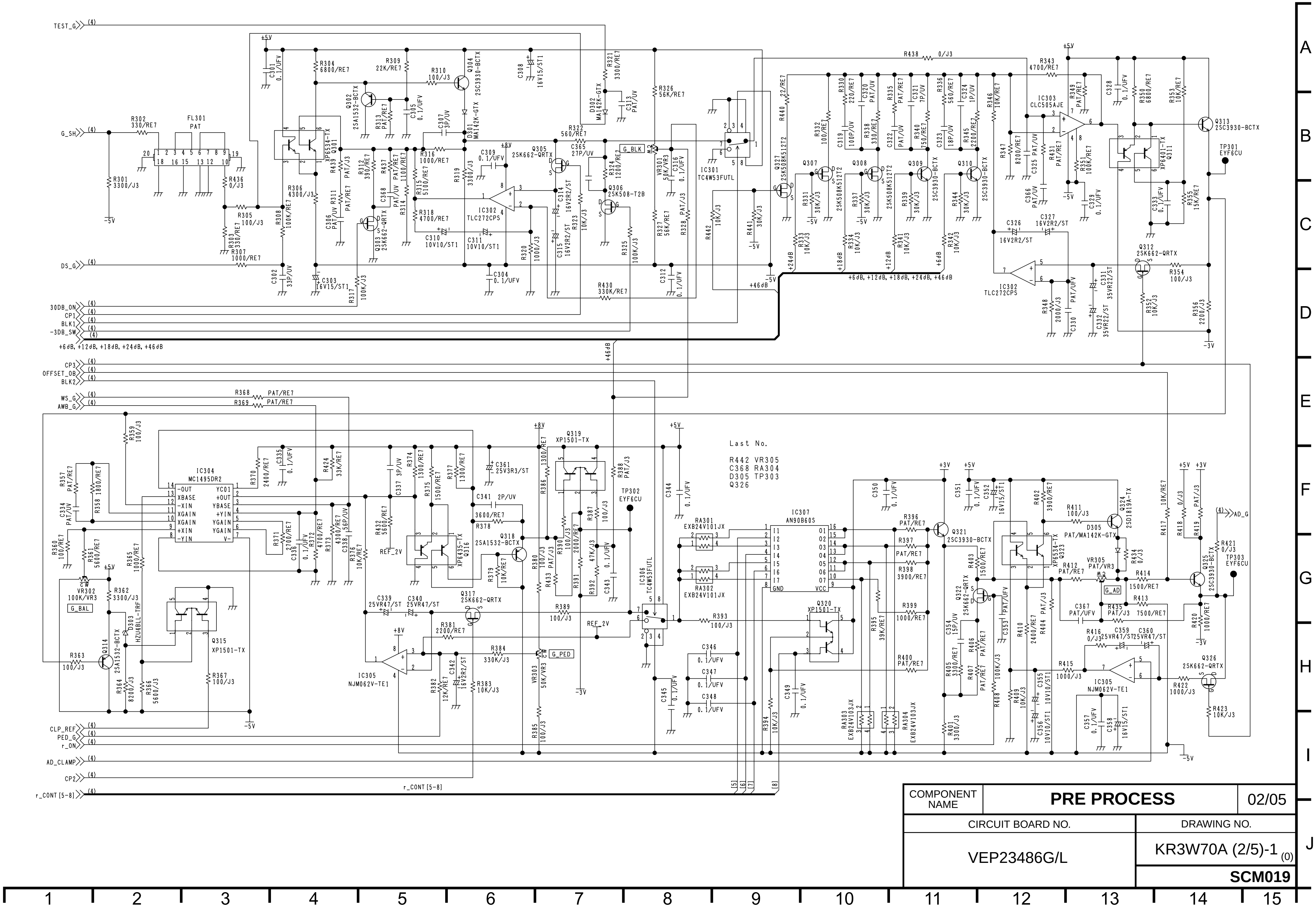
COMPONENT NAME	PRE PROCESS	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23486G/L	KR3W70A (1/5) (0)	
	SCM018	


TEST_G
G_SH
DS_G
30DB_ON
CP1
BLK1
-3DB_SW
+6dB, +12dB, +18dB, +24dB, +46dB
CP3
OFFSET_OB
BLK2
WS_G
AWB_G
CLP_REF
PED_G
r_ON
AD_CLAMP
CP2
r_CONT [5-8]
AD_G
FL301
PAT
IC301
TC4W53FUTL
IC302
TLC272CPS
IC303
CLC505AJE
IC304
MC1495DR2
IC305
NJM062V-TE1
IC306
TC4W53FUTL
IC307
AN90B60S
TP301
EYF6CU
TP302
EYF6CU
TP303
EYF6CU
G_BLK
G_BAL
G_PED
G_AD
VR301
VR302
VR303
VR305
RA301
EXB24V101JX
RA302
EXB24V101JX
RA303
EXB24V103JX
RA304
EXB24V103JX
+5V
+8V
+3V
-5V
-3V
1
2
3
4
5
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A
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C
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G
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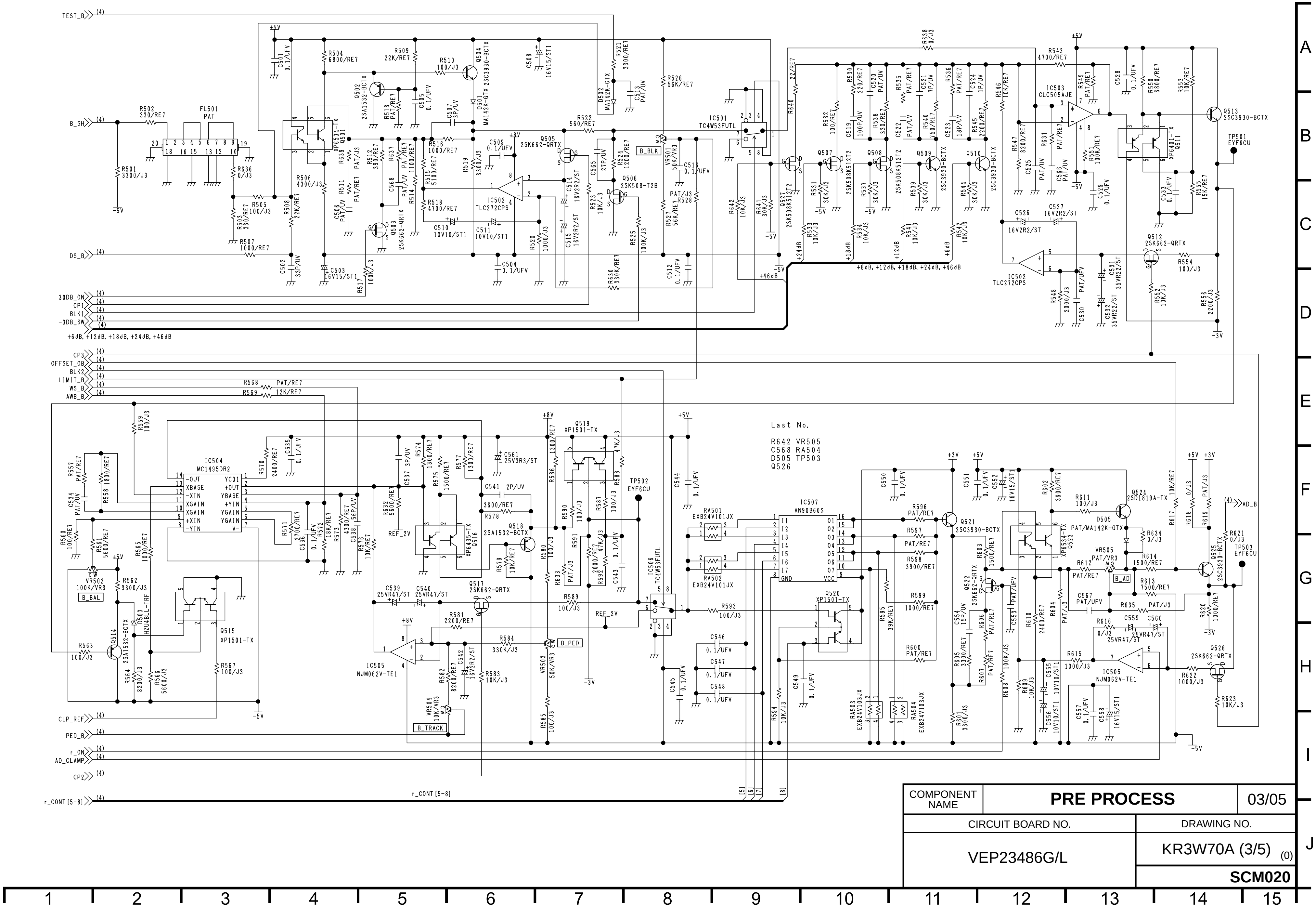
Last No.

R442 VR305
C368 RA304
D305 TP303
Q326

COMPONENT NAME	PRE PROCESS	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP23486G/L		KR3W70A (2/5)-1 (0)
		SCM019


TEST_B
B_SH
DS_B
30DB_ON
CP1
BLK1
-3DB_SW
+6dB, +12dB, +18dB, +24dB, +46dB
CP3
OFFSET_OB
BLK2
LIMIT_B
WS_B
AWB_B
CLP_REF
PED_B
r_ON
AD_CLAMP
CP2
r_CONT [5-8]
FL501 PAT
IC501 TC4W53FUTL
IC502 TLC272CPS
IC503 CLC505AJE
IC504 MC1495DR2
IC505 NJM062V-TE1
IC506 TC4W53FUTL
IC507 AN90B60S
TP501 EYF6CU
TP502 EYF6CU
TP503 EYF6CU
AD_B
B_BLK
B_BAL
B_TRACK
B_PED
B_AD
REF_2V
Last No.
R642 VR505
C568 RA504
D505 TP503
Q526
A
B
C
D
E
F
G
H
I
J
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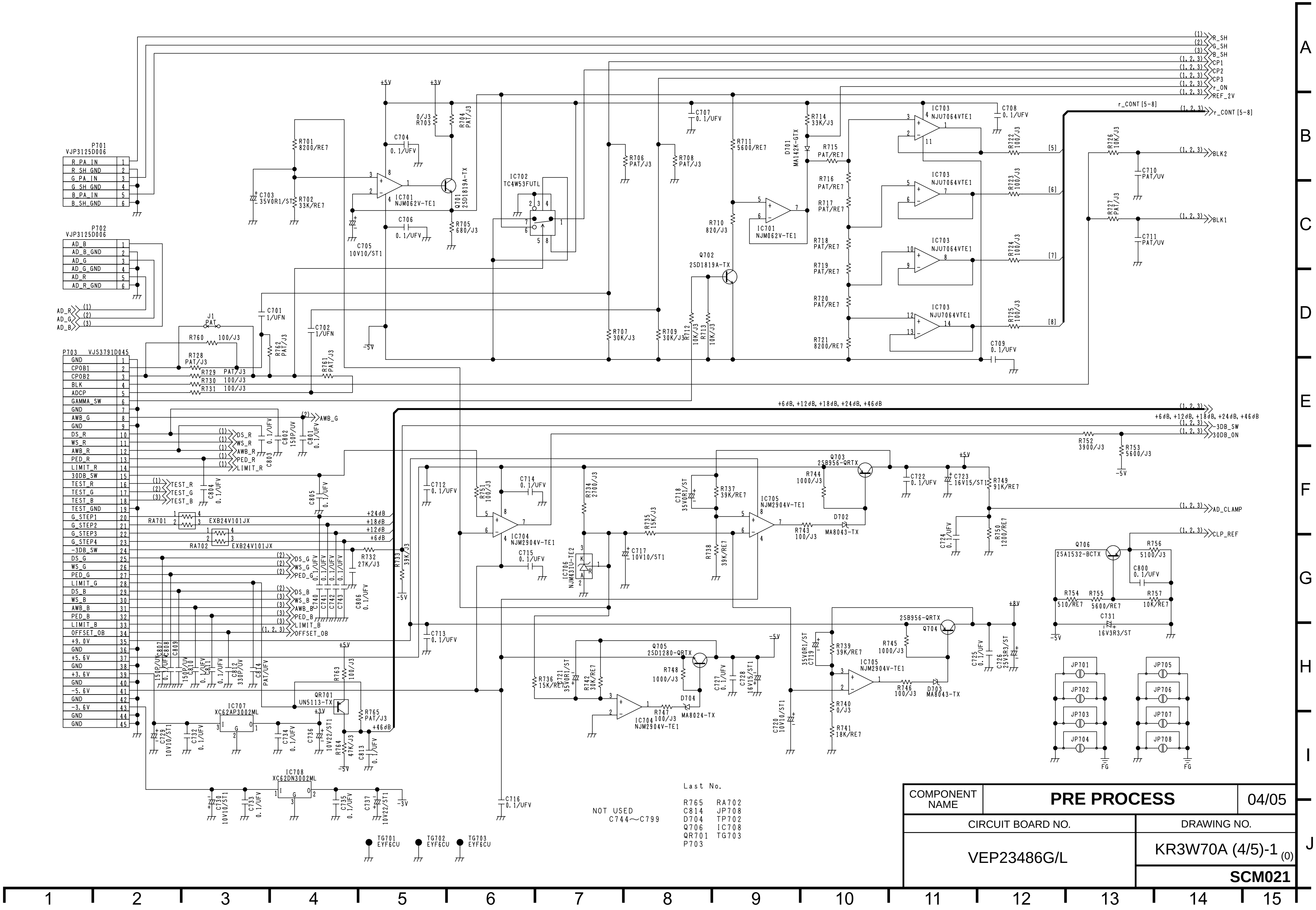
COMPONENT NAME	PRE PROCESS	03/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP23486G/L		KR3W70A (3/5) (0)
		SCM020


A
B
C
D
E
F
G
H
I
J
1
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P701
VJP3125D006
R_PA_IN
R_SH_GND
G_PA_IN
G_SH_GND
B_PA_IN
B_SH_GND
P702
VJP3125D006
AD_B
AD_B_GND
AD_G
AD_G_GND
AD_R
AD_R_GND
AD_R (1)
AD_G (2)
AD_B (3)
P703 VJS3791D045
GND
CPOB1
CPOB2
BLK
ADCP
GAMMA_SW
AWB_G
DS_R
WS_R
AWB_R
PED_R
LIMIT_R
30DB_SW
TEST_R
TEST_G
TEST_B
TEST_GND
G_STEP1
G_STEP2
G_STEP3
G_STEP4
-3DB_SW
DS_G
WS_G
PED_G
LIMIT_G
DS_B
WS_B
AWB_B
PED_B
LIMIT_B
OFFSET_OB
+9.0V
+5.6V
+3.6V
-5.6V
-3.6V
(1) R_SH
(2) G_SH
(3) B_SH
(1,2,3) CP1
(1,2,3) CP2
(1,2,3) CP3
(1,2,3) r_ON
(1,2,3) REF_2V
r_CONT [5-8]
(1,2,3) r_CONT [5-8]
(1,2,3) BLK2
(1,2,3) BLK1
+6dB, +12dB, +18dB, +24dB, +46dB
(1,2,3) -3DB_SW
(1,2,3) 30DB_ON
(1,2,3) AD_CLAMP
(1,2,3) CLP_REF
(2) AWB_G
IC701 NJM062V-TE1
Q701 2SD1819A-TX
IC702 TC4W53FUTL
IC703 NJU7064VTE1
Q702 2SD1819A-TX
D701 MA142K-GTX
IC704 NJM2904V-TE1
IC705 NJM2904V-TE1
IC706 NJM431U-TE2
Q703 2SB956-QRTX
Q704 2SB956-QRTX
Q705 2SD1280-QRTX
Q706 2SA1532-BCTX
QR701 UN5113-TX
IC707 XC62AP3002ML
IC708 XC62DN3002ML
D702 MA8043-TX
D703 MA8043-TX
D704 MA8024-TX
RA701 EXB24V101JX
RA702 EXB24V101JX
J1 PAT
R701 8200/RE7
R702 33K/RE7
R703 0/J3
R704 PAT/J3
R705 680/J3
R706 PAT/J3
R707 30K/J3
R708 PAT/J3
R709 30K/J3
R710 820/J3
R711 5600/RE7
R712 10K/J3
R713 10K/J3
R714 33K/J3
R715 PAT/RE7
R716 PAT/RE7
R717 PAT/RE7
R718 PAT/RE7
R719 PAT/RE7
R720 PAT/RE7
R721 8200/RE7
R722 100/J3
R723 100/J3
R724 100/J3
R725 100/J3
R726 10K/J3
R727 PAT/J3
R728 PAT/J3
R729 PAT/J3
R730 100/J3
R731 100/J3
R732 27K/J3
R733 39K/J3
R734 2700/J3
R735 15K/J3
R736 15K/RE7
R737 39K/RE7
R738 39K/RE7
R739 39K/RE7
R740 0/J3
R741 18K/RE7
R742 30K/RE7
R743 100/J3
R744 1000/J3
R745 1000/J3
R746 100/J3
R747 100/J3
R748 1000/J3
R749 91K/RE7
R750 1200/RE7
R751 100/J3
R752 3900/J3
R753 5600/J3
R754 510/RE7
R755 5600/RE7
R756 5100/J3
R757 10K/RE7
R760 100/J3
R761 PAT/J3
R762 PAT/J3
R763 100/J3
R764 47K/J3
R765 PAT/J3
C701 1/UFN
C702 1/UFN
C703 35V0R1/ST
C704 0.1/UFV
C705 10V10/ST1
C706 0.1/UFV
C707 0.1/UFV
C708 0.1/UFV
C709 0.1/UFV
C710 PAT/UV
C711 PAT/UV
C712 0.1/UFV
C713 0.1/UFV
C714 0.1/UFV
C715 0.1/UFV
C716 0.1/UFV
C717 10V10/ST1
C718 35V0R1/ST
C719 35V0R1/ST
C720 10V10/ST1
C721 35V0R1/ST
C722 0.1/UFV
C723 16V15/ST1
C724 0.1/UFV
C725 0.1/UFV
C726 25V3R3/ST
C727 0.1/UFV
C728 16V15/ST1
C729 10V10/ST1
C730 10V10/ST1
C731 16V3R3/ST
C732 0.1/UFV
C733 0.1/UFV
C734 0.1/UFV
C735 0.1/UFV
C736 10V22/ST1
C737 10V22/ST1
C740 0.1/UFV
C741 0.1/UFV
C743 0.1/UFV
C800 0.1/UFV
C801 0.1/UFV
C802 150P/UV
C803 0.1/UFV
C804 0.1/UFV
C805 0.1/UFV
C806 0.1/UFV
C807 150P/UV
C808 0.1/UFV
C809 150P/UV
C810 0.1/UFV
C811 0.1/UFV
C812 330P/UV
C813 0.1/UFV
C814 PAT/UFV
JP701
JP702
JP703
JP704
JP705
JP706
JP707
JP708
TG701 EYF6CU
TG702 EYF6CU
TG703 EYF6CU
FG
+5V
+3V
-5V
-3V
+8V
+24dB
+18dB
+12dB
+6dB
+46dB

NOT USED
C744～C799

Last No.

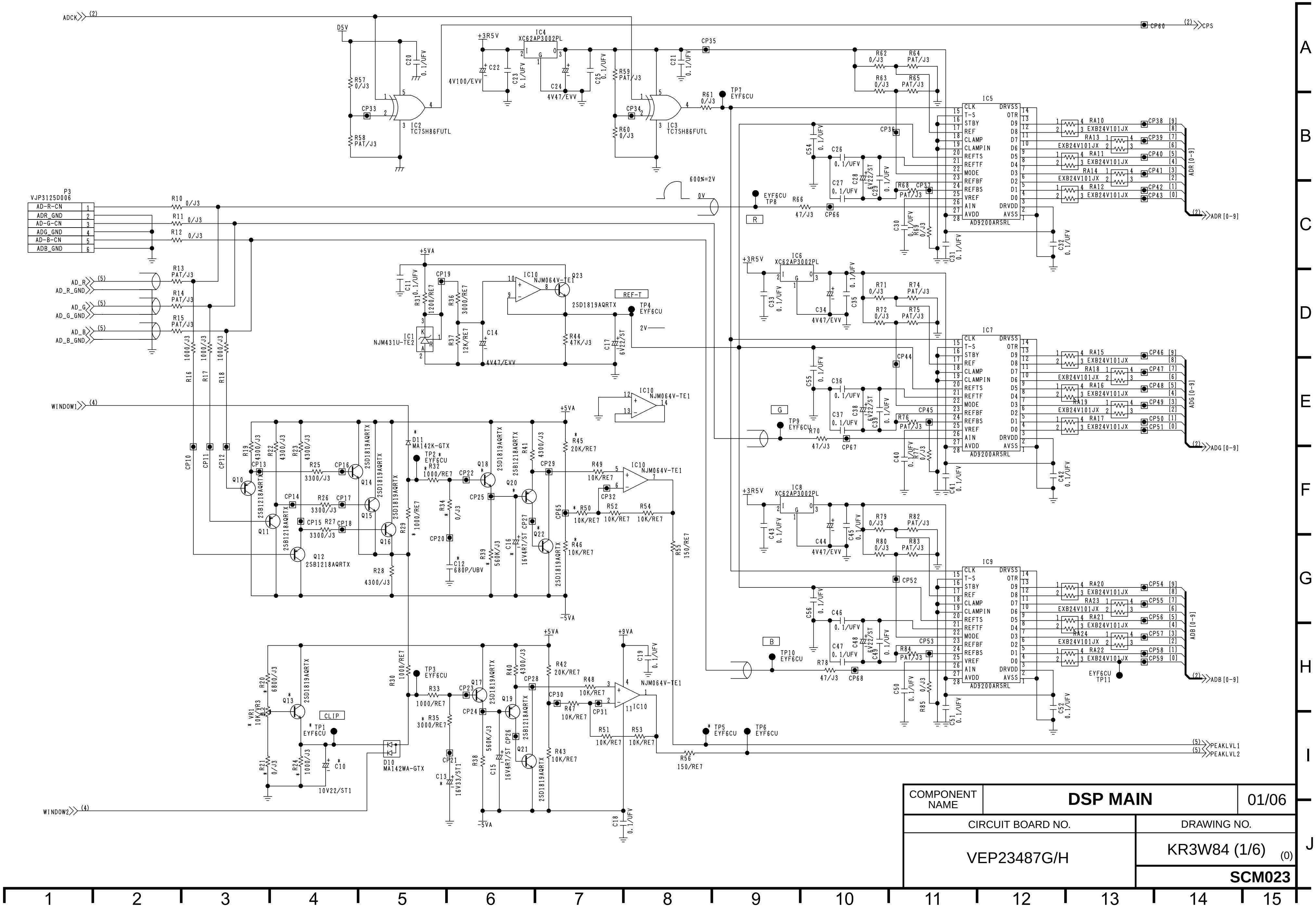
R765	RA702
C814	JP708
D704	TP702
Q706	IC708
QR701	TG703
P703	

COMPONENT NAME	**PRE PROCESS**	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23486G/L	KR3W70A (4/5)-1 (0)	
	SCM021	

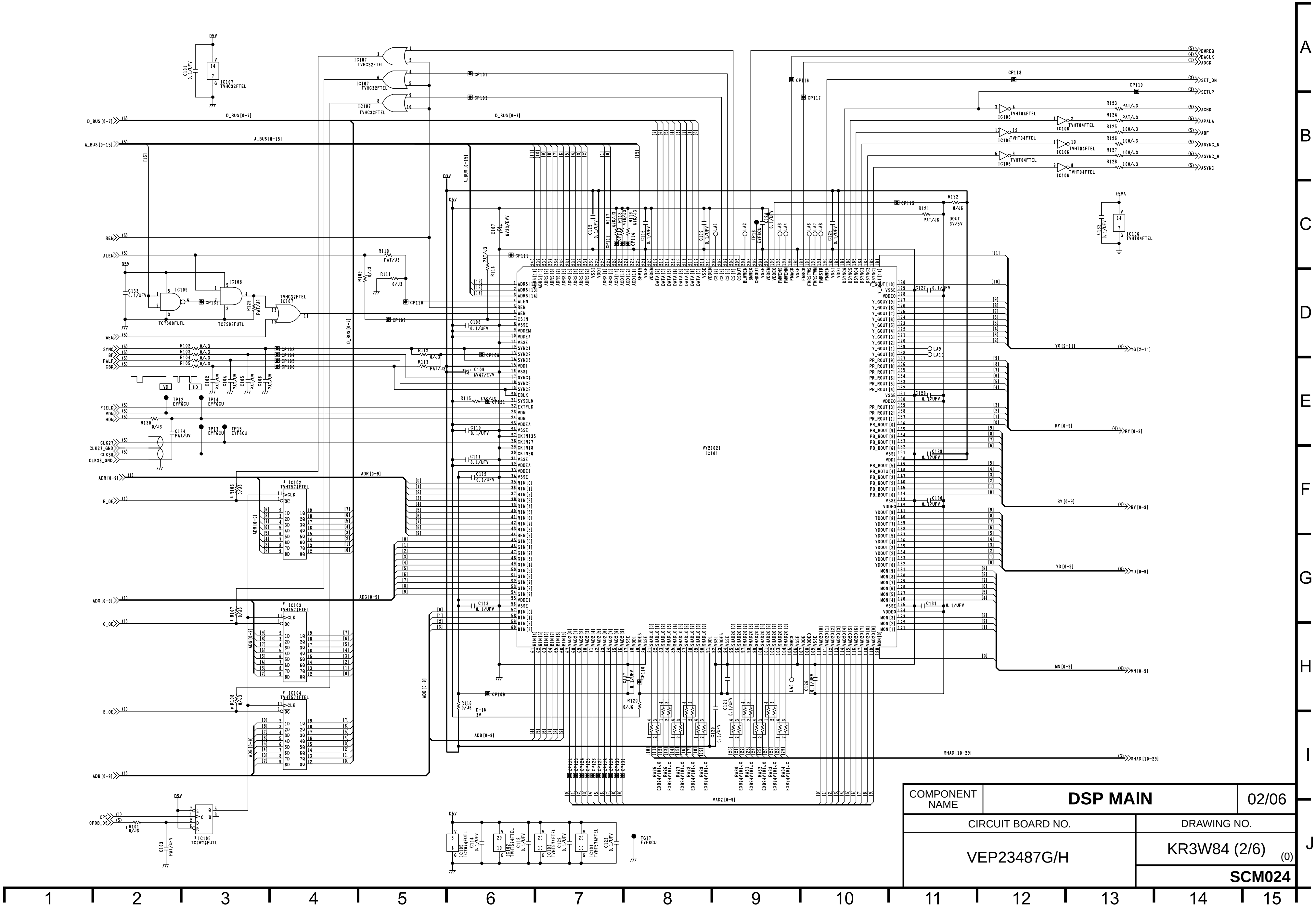
REF	D910WB	D910WBP	D910WBE/MC	D610WB/P/E/MC
C106	33P/UV	<-	<-	68P/UV
C122	47P/UV	<-	<-	<-
C125	PAT/UV	<-	<-	<-
C134	7P/UV	<-	<-	<-
C166	27P/UV	<-	<-	<-
C306	33P/UV	<-	<-	68P/UV
C322	47P/UV	<-	<-	<-
C325	PAT/UV	<-	<-	<-
C334	7P/UV	<-	<-	<-
C366	27P/UV	<-	<-	<-
C506	33P/UV	<-	<-	68P/UV
C522	47P/UV	<-	<-	<-
C525	PAT/UV	<-	<-	<-
C534	7P/UV	<-	<-	<-
C566	27P/UV	<-	<-	<-
C710	47P/UV	<-	<-	<-
C711	PAT/UV	<-	<-	<-
R111	390K/RE7	<-	<-	300K/RE7
R113	68K/RE7	<-	<-	13K/RE7
R135	240/RE7	<-	<-	<-
R136	560/RE7	<-	<-	<-
R157	910K/RE7	<-	<-	<-
R168	10K/RE7	<-	<-	3300/RE7
R196	470/RE7	620/RE7	<-	<-
R197	1800/RE7	3300/RE7	<-	<-
R206	0/J3	33/RE7	<-	<-
R207	220/RE7	510/RE7	<-	<-
R212	3900/RE7	<-	<-	4700/RE7
R231	750/RE7	<-	<-	<-
R239	PAT/J3	<-	<-	0/J3
R311	390K/RE7	<-	<-	300K/RE7
R313	68K/RE7	<-	<-	13K/RE7
R335	240/RE7	<-	<-	<-
R336	560/RE7	<-	<-	<-
R357	910K/RE7	<-	<-	<-
R368	10K/RE7	<-	<-	3300/RE7
R396	470/RE7	620/RE7	<-	<-
R397	1800/RE7	3300/RE7	<-	<-
R406	0/J3	33/RE7	<-	<-
R407	220/RE7	510/RE7	<-	<-
R412	3900/RE7	<-	<-	4700/RE7
R431	820/RE7	<-	<-	<-
R439	PAT/J3	<-	<-	0/J3
R511	390K/RE7	<-	<-	300K/RE7
R513	68K/RE7	<-	<-	13K/RE7
R535	240/RE7	<-	<-	<-
R536	560/RE7	<-	<-	<-
R557	910K/RE7	<-	<-	<-
R568	10K/RE7	<-	<-	3300/RE7
R596	470/RE7	620/RE7	<-	<-
R597	1800/RE7	3300/RE7	<-	<-

REF	D910WB	D910WBP	D910WBE/MC	D610WB/P/E/MC
R606	0/J3	33/RE7	<-	<-
R607	220/RE7	510/RE7	<-	<-
R612	3900/RE7	<-	<-	4700/RE7
R631	820/RE7	<-	<-	<-
R639	PAT/J3	<-	<-	0/J3
R715	30/RE7	100/RE7	<-	<-
R716	120/RE7	270/RE7	<-	<-
R717	0/J3	20/RE7	<-	<-
R718	1100/RE7	910/RE7	<-	<-
R719	0/J3	30/RE7	<-	<-
R720	820/RE7	750/RE7	<-	<-
R727	1000/RE7	<-	10K/RE7	<-
R728	PAT/J3	<-	<-	<-
R729	PAT/J3	<-	<-	<-
FL101	VLF1418-T	<-	<-	<-
FL301	VLF1418-T	<-	<-	<-
FL501	VLF1418-T	<-	<-	<-
VR105	2K/VR3	<-	<-	500/VR3
VR305	2K/VR3	<-	<-	500/VR3
VR505	2K/VR3	<-	<-	500/VR3
J1	ON	<-	<-	<-

COMPONENT NAME	PRE PROCESS	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23486G/L	KR3W70A (5/5)-1 (0)	
	SCM022	


ADCK (2)
D5V
+3R5V
IC4 XC62AP3002PL
IC2 TC7SH86FUTL
IC3 TC7SH86FUTL
R57 0/J3
R58 PAT/J3
C20 0.1/UFV
C22 4V100/EVV
C23 0.1/UFV
C24 4V47/EVV
C25 0.1/UFV
R59 PAT/J3
R60 0/J3
C21 0.1/UFV
CP33
CP34
CP35
R61 0/J3
TP7 EYF6CU
CP60 (2) CPS
P3 VJP3125D006
AD-R-CN
ADR_GND
AD-G-CN
ADG_GND
AD-B-CN
ADB_GND
R10 0/J3
R11 0/J3
R12 0/J3
R13 PAT/J3
R14 PAT/J3
R15 PAT/J3
AD_R (5)
AD_R_GND
AD_G (5)
AD_G_GND
AD_B (5)
AD_B_GND
R16 1000/J3
R17 1000/J3
R18 1000/J3
+5VA
C11 0.1/UFV
CP19
R31 1200/RE7
R36 3000/RE7
IC1 NJM431U-TE2
R37 12K/RE7
C14 4V47/EVV
IC10 NJM064V-TE1
Q23 2SD1819AQRTX
REF-T
TP4 EYF6CU
2V
R44 47K/J3
C17 6V22/ST
600%=2V
0V
EYF6CU TP8
R66 47/J3
CP66
R
IC5 AD9200ARSRL
CLK T-S STBY REF CLAMP CLAMPIN REFTS REFTF MODE REFBF REFBS VREF AIN AVDD
DRVSS OTR D9 D8 D7 D6 D5 D4 D3 D2 D1 D0 DRVDD AVSS
R62 0/J3
R64 PAT/J3
R63 0/J3
R65 PAT/J3
C54 0.1/UFV
C26 0.1/UFV
C27 0.1/UFV
C28 6V22/ST
C29 0.1/UFV
R68 PAT/J3
CP36
CP37
C30 0.1/UFV
R69 0/J3
C31 0.1/UFV
C32 0.1/UFV
RA10 EXB24V101JX
RA13 EXB24V101JX
RA11 EXB24V101JX
RA14 EXB24V101JX
RA12 EXB24V101JX
CP38 CP39 CP40 CP41 CP42 CP43
ADR [0-9]
(2) ADR [0-9]
IC6 XC62AP3002PL
C33 0.1/UFV
C34 4V47/EVV
C35 0.1/UFV
R71 0/J3
R74 PAT/J3
R72 0/J3
R75 PAT/J3
IC7 AD9200ARSRL
CP44
C55 0.1/UFV
C36 0.1/UFV
C37 0.1/UFV
C38 6V22/ST
C39 0.1/UFV
CP45
R76 PAT/J3
G
TP9 EYF6CU
R70 47/J3
CP67
C40 0.1/UFV
R77 0/J3
C41 0.1/UFV
C42 0.1/UFV
RA15 RA18 RA16 RA19 RA17 EXB24V101JX
CP46 CP47 CP48 CP49 CP50 CP51
ADG [0-9]
(2) ADG [0-9]
IC8 XC62AP3002PL
C43 0.1/UFV
C44 4V47/EVV
C45 0.1/UFV
R79 0/J3
R82 PAT/J3
R80 0/J3
R83 PAT/J3
IC9 AD9200ARSRL
CP52
C56 0.1/UFV
C46 0.1/UFV
C47 0.1/UFV
C48 6V22/ST
C49 0.1/UFV
CP53
R84 PAT/J3
B
TP10 EYF6CU
R78 47/J3
CP68
C50 0.1/UFV
R85 0/J3
C51 0.1/UFV
C52 0.1/UFV
RA20 RA23 RA21 RA24 RA22 EXB24V101JX
CP54 CP55 CP56 CP57 CP58 CP59
EYF6CU TP11
ADB [0-9]
(2) ADB [0-9]
WINDOW1 (4)
IC10 NJM064V-TE1
CP10 CP11 CP12
R19 4300/J3
R22 4300/J3
R23 4300/J3
CP13
R25 3300/J3
CP16
Q14 2SD1819AQRTX
Q10 2SB1218AQRTX
CP14
R26 3300/J3
CP17
Q15 2SD1819AQRTX
Q11 2SB1218AQRTX
CP15
R27 3300/J3
CP18
Q16 2SD1819AQRTX
R29 1000/RE7
Q12 2SB1218AQRTX
R28 4300/J3
D11 MA142K-GTX
TP2 EYF6CU
R32 1000/RE7
CP22
Q18 2SD1819AQRTX
R34 0/J3
CP20
C12 680P/UBV
R39 560K/J3
CP25
Q20 2SB1218AQRTX
R41 4300/J3
C16 16V4R7/ST
CP27
Q22 2SD1819AQRTX
CP29
+5VA
R45 20K/RE7
R46 10K/RE7
-5VA
R49 10K/RE7
CP32
CP65
R50 10K/RE7
R52 10K/RE7
R54 10K/RE7
R55 150/RE7
IC10 NJM064V-TE1
+5VA
R20 6800/J3
VR1 10K/R3
Q13 2SD1819AQRTX
TP1 EYF6CU
CLIP
R21 0/J3
R24 1000/J3
C10 10V22/ST1
R30 1000/RE7
TP3 EYF6CU
R33 1000/RE7
R35 3000/RE7
CP21
C13 16V33/ST1
D10 MA142WA-GTX
CP23
Q17 2SD1819AQRTX
CP24
R38 560K/J3
C15 16V4R7/ST
CP26
Q19 2SB1218AQRTX
R40 4300/J3
CP28
Q21 2SD1819AQRTX
R42 20K/RE7
R43 10K/RE7
-5VA
+9VA
C19 0.1/UFV
R48 10K/RE7
CP30
R47 10K/RE7
CP31
IC10 NJM064V-TE1
R51 10K/RE7
R53 10K/RE7
C18 0.1/UFV
TP5 EYF6CU
TP6 EYF6CU
R56 150/RE7
(5) PEAKLVL1
(5) PEAKLVL2
WINDOW2 (4)
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	DSP MAIN	01/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23487G/H	KR3W84 (1/6) (0)	
	SCM023	


D_BUS[0-7]
A_BUS[0-15]
REN
ALEN
WEN
SYNC
BF
PALP
CBK
FIELD
VDN
HDN
CLK27
CLK27_GND
CLK36
CLK36_GND
ADR[0-9]
R_OE
ADG[0-9]
G_OE
B_OE
ADB[0-9]
CPS
CPOB_DS
IC101
VY21621
IC102 TVHTS74FTEL
IC103 TVHTS74FTEL
IC104 TVHTS74FTEL
IC105 TC7W74FUTL
IC106 TVHT04FTEL
IC107 TVHC32FTEL
IC108 TC7S08FUTL
IC109 TC7S00FUTL
BMREQ
DACLK
ADCK
SET_ON
SETUP
ACBK
APALA
ABF
ASYNC_N
ASYNC_M
ASYNC
YG[2-11]
RY[0-9]
BY[0-9]
YD[0-9]
MN[0-9]
SHAD[10-29]
VAD2[0-9]
D5V
+5VA
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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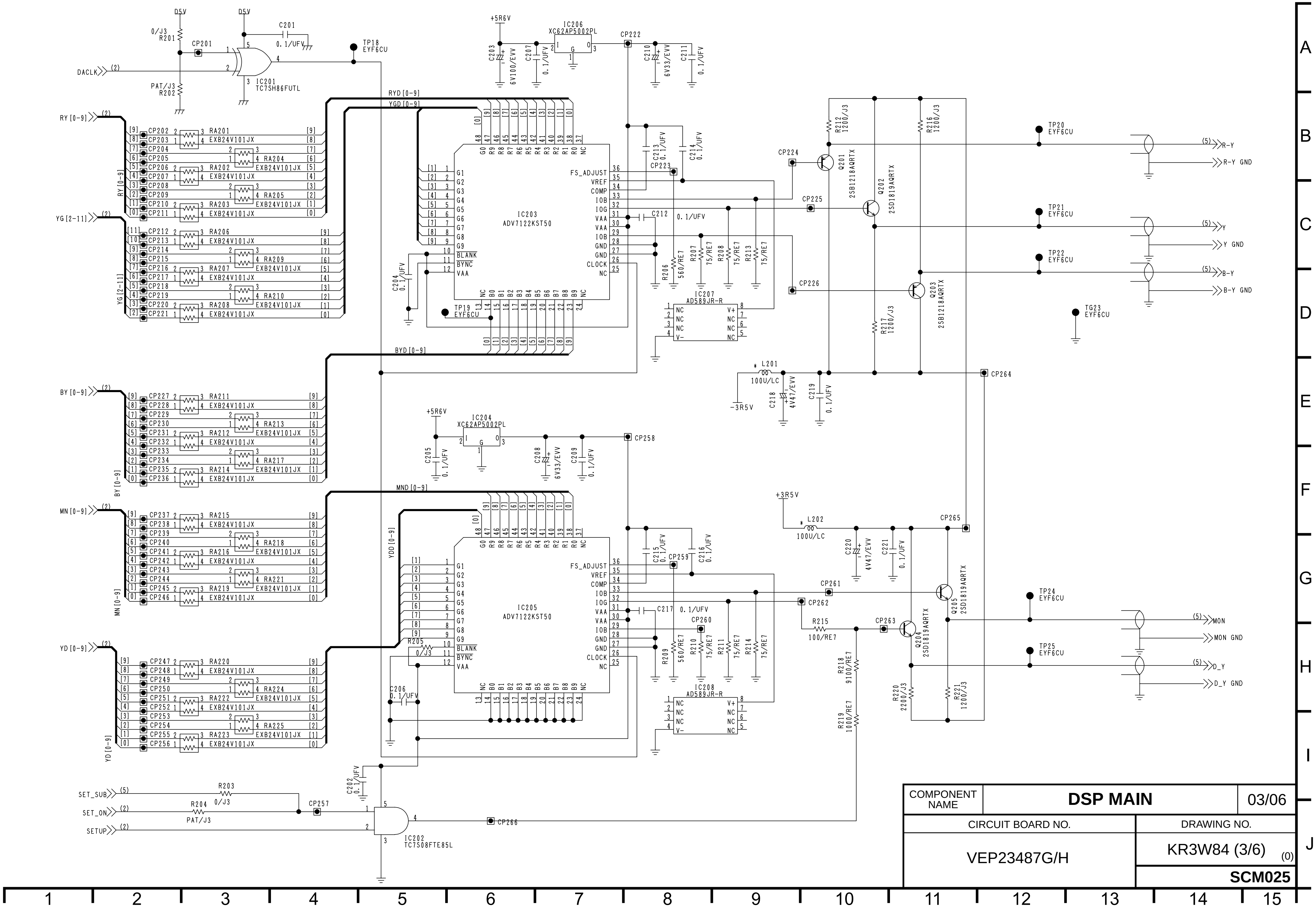
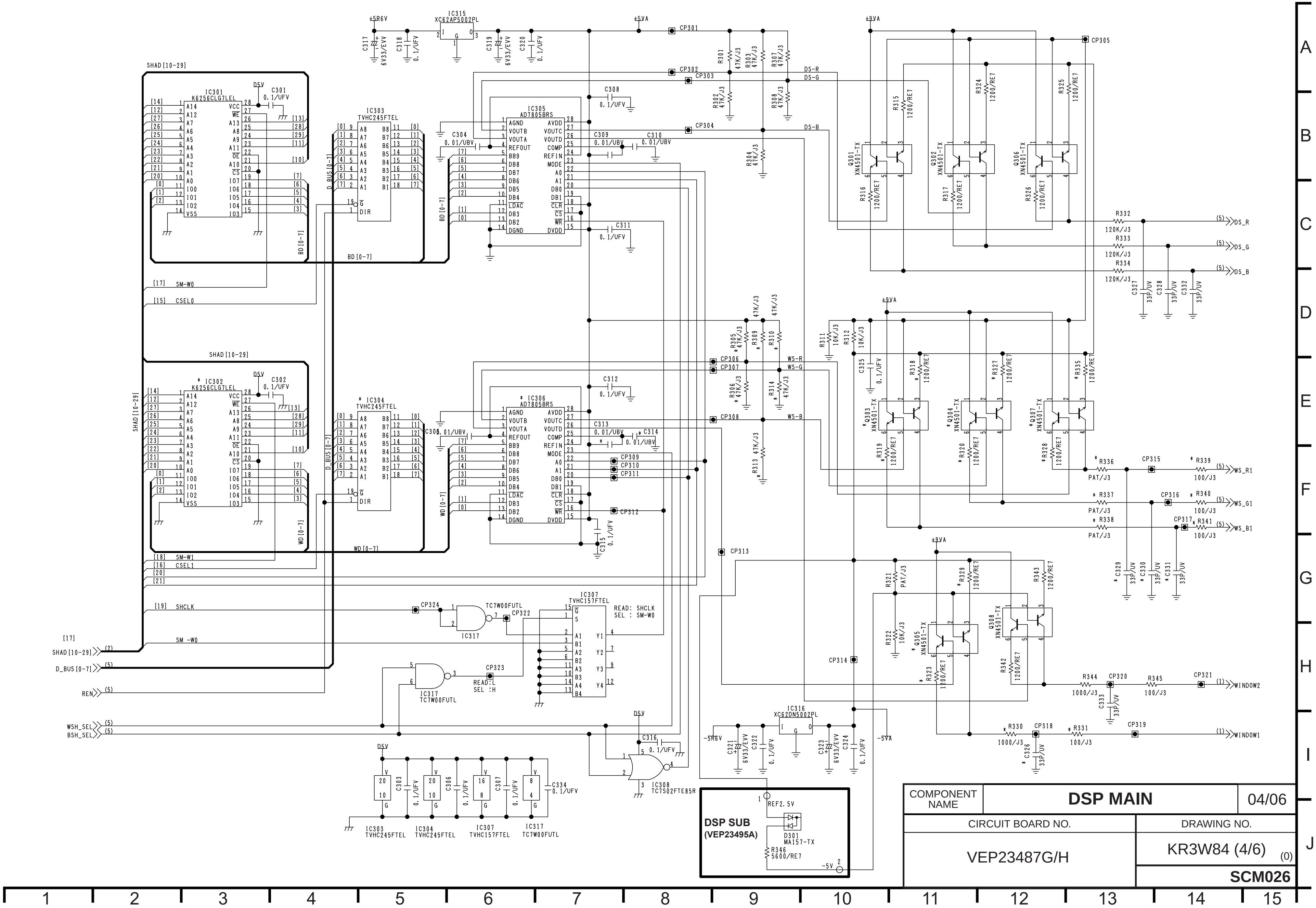
COMPONENT NAME	DSP MAIN	02/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP23487G/H		KR3W84 (2/6) (0)
		SCM024


A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
D5V
0/J3
R201
CP201
C201
0.1/UFV
TP18
EYF6CU
DACLK
PAT/J3
R202
IC201
TC7SH86FUTL
RY[0-9]
YG[2-11]
RYD[0-9]
YGD[0-9]
BYD[0-9]
RA201
RA202
RA203
RA204
RA205
RA206
RA207
RA208
RA209
RA210
EXB24V101JX
+5R6V
IC206
XC62AP5002PL
CP222
C203
6V100/EVV
C207
C210
6V33/EVV
C211
IC203
ADV7122KST50
FS_ADJUST
VREF
COMP
IOB
IOG
VAA
GND
CLOCK
NC
BLANK
SYNC
C204
TP19
EYF6CU
C212
C213
C214
CP223
CP224
CP225
CP226
R206
560/RE7
R207
75/RE7
R208
R213
IC207
AD589JR-R
Q201
2SB1218AQRTX
Q202
2SD1819AQRTX
Q203
R212
1200/J3
R216
R217
TP20
TP21
TP22
TG23
R-Y
R-Y GND
Y
Y GND
B-Y
B-Y GND
L201
100U/LC
-3R5V
C218
4V47/EVV
C219
CP264
BY[0-9]
RA211
RA212
RA213
RA214
RA217
IC204
C205
C208
C209
CP258
MN[0-9]
MND[0-9]
RA215
RA216
RA218
RA219
RA221
YD[0-9]
YDD[0-9]
RA220
RA222
RA223
RA224
RA225
IC205
ADV7122KST50
R205
0/J3
C206
C215
C216
C217
CP259
CP260
R209
R210
R211
R214
IC208
AD589JR-R
+3R5V
L202
100U/LC
C220
C221
CP265
CP261
CP262
CP263
R215
100/RE7
Q204
2SD1819AQRTX
Q205
2SD1819AQRTX
TP24
TP25
MON
MON GND
D_Y
D_Y GND
R218
9100/RE7
R219
1000/RE7
R220
2200/J3
R221
1200/J3
C202
SET_SUB
SET_ON
SETUP
R203
R204
PAT/J3
CP257
CP266
IC202
TC7S08FTE85L

COMPONENT NAME	DSP MAIN	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23487G/H	KR3W84 (3/6) (0)	
	SCM025	


IC301 K6256CLG7LEL
IC302 K6256CLG7LEL
IC303 TVHC245FTEL
IC304 TVHC245FTEL
IC305 AD7805BRS
IC306 AD7805BRS
IC307 TVHC157FTEL
IC308 TC7S02FTE85R
IC315 XC62AP5002PL
IC316 XC62DN5002PL
IC317 TC7W00FUTL
Q301 XN4501-TX
Q302 XN4501-TX
Q303 XN4501-TX
Q304 XN4501-TX
Q305 XN4501-TX
Q306 XN4501-TX
Q307 XN4501-TX
Q308 XN4501-TX
SHAD[10-29]
D_BUS[0-7]
BD[0-7]
WD[0-7]
SM-W0
SM-W1
CSEL0
CSEL1
SHCLK
REN
WSH_SEL
BSH_SEL
READ: SHCLK
SEL : SM-W0
READ:L
SEL :H
DS-R
DS-G
DS-B
WS-R
WS-G
WS-B
DS_R
DS_G
DS_B
WS_R1
WS_G1
WS_B1
WINDOW1
WINDOW2
+5R6V
+5VA
+9VA
D5V
-5R6V
-5VA
-5V
REF2.5V
D301 MA157-TX
R346 5600/RE7
DSP SUB
(VEP23495A)
A
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C
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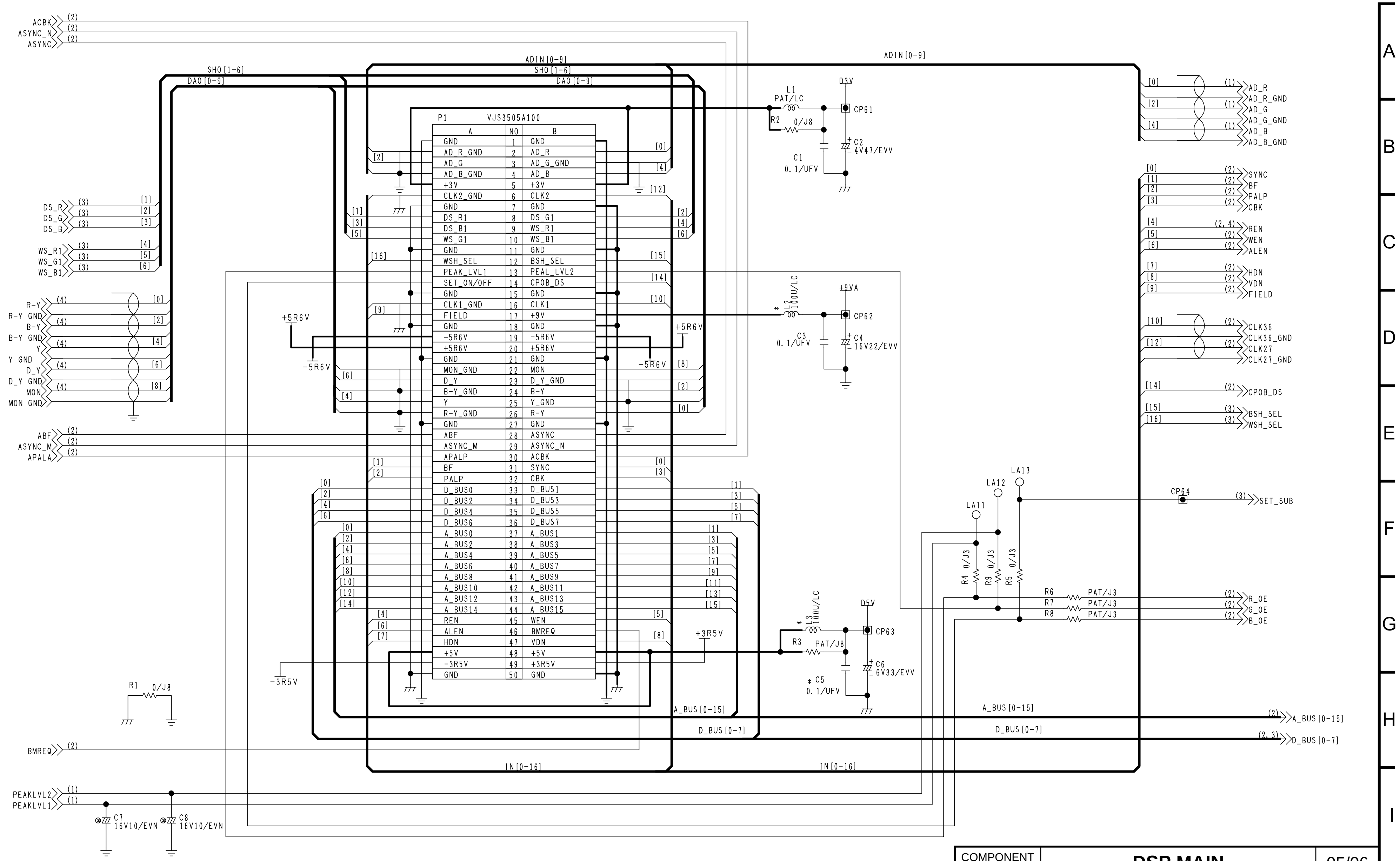
COMPONENT NAME	DSP MAIN	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23487G/H	KR3W84 (4/6) (0)	
	SCM026	


ACBK
ASYNC_N
ASYNC
ADIN[0-9]
SHO[1-6]
DAO[0-9]
P1 VJS3505A100
A NO B
GND 1 GND
AD_R_GND 2 AD_R
AD_G 3 AD_G_GND
AD_B_GND 4 AD_B
+3V 5 +3V
CLK2_GND 6 CLK2
GND 7 GND
DS_R1 8 DS_G1
DS_B1 9 WS_R1
WS_G1 10 WS_B1
GND 11 GND
WSH_SEL 12 BSH_SEL
PEAK_LVL1 13 PEAL_LVL2
SET_ON/OFF 14 CPOB_DS
GND 15 GND
CLK1_GND 16 CLK1
FIELD 17 +9V
GND 18 GND
-5R6V 19 -5R6V
+5R6V 20 +5R6V
GND 21 GND
MON_GND 22 MON
D_Y 23 D_Y_GND
B-Y_GND 24 B-Y
Y 25 Y_GND
R-Y_GND 26 R-Y
GND 27 GND
ABF 28 ASYNC
ASYNC_M 29 ASYNC_N
APALP 30 ACBK
BF 31 SYNC
PALP 32 CBK
D_BUS0 33 D_BUS1
D_BUS2 34 D_BUS3
D_BUS4 35 D_BUS5
D_BUS6 36 D_BUS7
A_BUS0 37 A_BUS1
A_BUS2 38 A_BUS3
A_BUS4 39 A_BUS5
A_BUS6 40 A_BUS7
A_BUS8 41 A_BUS9
A_BUS10 42 A_BUS11
A_BUS12 43 A_BUS13
A_BUS14 44 A_BUS15
REN 45 WEN
ALEN 46 BMREQ
HDN 47 VDN
+5V 48 +5V
-3R5V 49 +3R5V
GND 50 GND
DS_R (3)
DS_G (3)
DS_B (3)
WS_R1 (3)
WS_G1 (3)
WS_B1 (3)
R-Y (4)
R-Y GND
B-Y (4)
B-Y GND
Y (4)
Y GND
D_Y (4)
D_Y GND
MON (4)
MON GND
ABF (2)
ASYNC_M (2)
APALA (2)
+5R6V
-5R6V
-3R5V
+3R5V
R1 0/J8
BMREQ (2)
PEAKLVL2 (1)
PEAKLVL1 (1)
C7 16V10/EVN
C8 16V10/EVN
L1 PAT/LC
R2 0/J8
D3V
CP61
C2 4V47/EVV
C1 0.1/UFV
L2 100U/LC
+9VA
CP62
C3 0.1/UFV
C4 16V22/EVV
L3 100U/LC
R3 PAT/J8
D5V
CP63
C5 0.1/UFV
C6 6V33/EVV
LA11
LA12
LA13
CP64
(3) SET_SUB
R4 0/J3
R9 0/J3
R5 0/J3
R6 PAT/J3
R7 PAT/J3
R8 PAT/J3
(2) R_OE
(2) G_OE
(2) B_OE
(1) AD_R
AD_R_GND
(1) AD_G
AD_G_GND
(1) AD_B
AD_B_GND
(2) SYNC
(2) BF
(2) PALP
(2) CBK
(2, 4) REN
(2) WEN
(2) ALEN
(2) HDN
(2) VDN
(2) FIELD
(2) CLK36
CLK36_GND
(2) CLK27
CLK27_GND
(2) CPOB_DS
(3) BSH_SEL
(3) WSH_SEL
A_BUS[0-15]
D_BUS[0-7]
(2) A_BUS[0-15]
(2, 3) D_BUS[0-7]
IN[0-16]
A
B
C
D
E
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1
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COMPONENT NAME	DSP MAIN	05/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23487G/H	KR3W84 (5/6) (0)	
	SCM027	

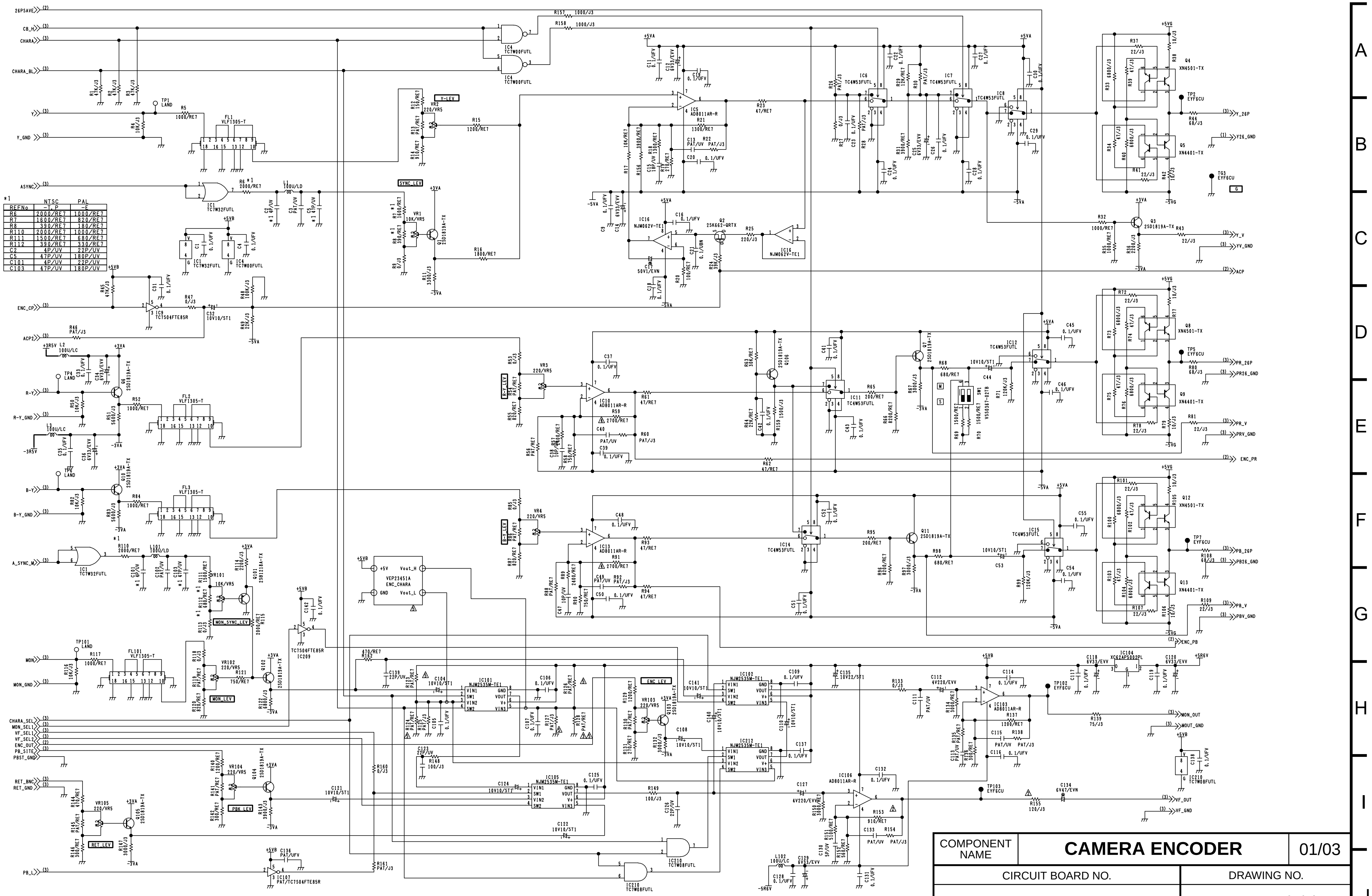
	D910WB,P	D910WBE,MC	D610WB,P	D610WBE,MC
C5	ECUV1E104ZFV	ECUV1C104KBV	ECUV1E104ZFV	ECUV1C104KBV
L2	VLQ0319K101	VLP0328A102T	VLQ0319K101	VLP0328A102T
L3	VLQ0319K101	VLP0328A102T	VLQ0319K101	VLP0328A102T
L201	VLQ0319K101	VLP0328A102T	VLQ0319K101	VLP0328A102T
L202	VLQ0319K101	VLP0328A102T	VLQ0319K101	VLP0328A102T
C10	ECST1AX226ZR	←	PAT	←
C12	ECUV1H681KBV	←	PAT	←
C13	ECST1CC336ZR	←	JUMPERSHORT	←
C16	ECST1CY475ZR	←	PAT	←
C313	ECUV1H103KBV	←	PAT	←
C314	ECUV1H103KBV	←	PAT	←
C326	ECUV1H330JCV	←	PAT	←
C329	ECUV1H330JCV	←	PAT	←
C330	ECUV1H330JCV	←	PAT	←
C331	ECUV1H330JCV	←	PAT	←
D11	MA142K-GTX	←	PAT	←
IC102	TVHT574FTEL	←	PAT	←
IC103	TVHT574FTEL	←	PAT	←
IC104	TVHT574FTEL	←	PAT	←
IC105	TC7W74FUTL	←	PAT	←
IC302	K6256DLG7LEL	←	PAT	←
IC304	TVHC245FTEL	←	PAT	←
IC306	AD7805BRS	←	PAT	←
Q13	2SD1819AQRTX	←	PAT	←
Q18	2SD1819AQRTX	←	PAT	←
Q20	2SD1819AQRTX	←	PAT	←
Q22	2SD1819AQRTX	←	PAT	←
Q303	XN4501-TX	←	PAT	←
Q304	XN4501-TX	←	PAT	←
Q305	XN4501-TX	←	PAT	←
Q307	XN4501-TX	←	PAT	←
R20	ERJ3GEYJ682V	←	PAT	←
R21	ERJ3GEY0R00V	←	PAT	←
R24	ERJ3GEYJ102V	←	PAT	←
R29	ERJ3RBD102V	←	PAT	←
R32	ERJ3RBD102V	←	PAT	←
R34	ERJ3GEY0R00V	←	PAT	←
R35	ERJ3RBD302V	←	ECUV1H681JCV	←
R39	ERJ3GEYJ564V	←	PAT	←
R45	ERJ3RBD203V	←	PAT	←
R46	ERJ3RBD103V	←	PAT	←
R50	ERJ3RBD103V	←	PAT	←
R101	ERJ3GEY0R00V	←	PAT	←
R106	ERJ3GEY0R00V	←	PAT	←
R107	ERJ3GEY0R00V	←	PAT	←
R108	ERJ3GEY0R00V	←	PAT	←
R305	ERJ3GEYJ473V	←	PAT	←
R306	ERJ3GEYJ473V	←	PAT	←
R309	ERJ3GEYJ473V	←	PAT	←
R310	ERJ3GEYJ473V	←	PAT	←
R313	ERJ3GEYJ473V	←	PAT	←
R314	ERJ3GEYJ473V	←	PAT	←

	D910WB,P	D910WBE,MC	D610WB,P	D610WBE,MC
R318	ERJ3RBD122V	←	PAT	←
R319	ERJ3RBD122V	←	PAT	←
R320	ERJ3RBD122V	←	PAT	←
R323	ERJ3RBD122V	←	PAT	←
R327	ERJ3RBD122V	←	PAT	←
R328	ERJ3RBD122V	←	PAT	←
R329	ERJ3RBD122V	←	PAT	←
R330	ERJ3GEYJ102V	←	PAT	←
R331	ERJ3GEYJ101V	←	PAT	←
R335	ERJ3RBD122V	←	PAT	←
R336	ERJ3GEYJ122V	←	PAT	←
R337	ERJ3GEYJ122V	←	PAT	←
R338	ERJ3GEYJ122V	←	PAT	←
R339	ERJ3GEYJ101V	←	PAT	←
R340	ERJ3GEYJ101V	←	PAT	←
R341	ERJ3GEYJ101V	←	PAT	←
TP1	EYF6CU	←	PAT	←
TP2	EYF6CU	←	PAT	←
TP5	EYF6CU	←	PAT	←
VR1	VRV0113B103T	←	PAT	←

COMPONENT NAME	**DSP MAIN**	06/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23487G/H	KR3W84 (6/6) (0)	
	SCM028	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


26PSAVE
CB_H
CHARA
CHARA_BL
Y
Y_GND
ASYNC
ENC_CP
ACP2
+3R5V
R-Y
R-Y_GND
-3R5V
B-Y
B-Y_GND
A_SYNC_M
MON
MON_GND
CHARA_SEL
MON_SEL
VF_SEL1
VF_SEL2
ENC_OUT
PB_SITE
PBST_GND
RET_BNC
RET_GND
PB_L
Y_LEV
SYNC_LEV
R-Y_LEV
B-Y_LEV
MON_SYNC_LEV
MON_LEV
ENC_LEV
PBK_LEV
RET_LEV
IC4 TC7W00FUTL
IC1 TC7W32FUTL
IC5 AD8011AR-R
IC6 TC4W53FUTL
IC7 TC4W53FUTL
IC8 TC4W53FUTL
IC9 TC7S04FTE85R
IC10 AD8011AR-R
IC11 TC4W53FUTL
IC12 TC4W53FUTL
IC13 AD8011AR-R
IC14 TC4W53FUTL
IC15 TC4W53FUTL
IC16 NJM062V-TE1
IC101 NJM2535M-TE1
IC102 NJM2535M-TE1
IC103 AD8011AR-R
IC104 XC62AP5002PL
IC105 NJM2535M-TE1
IC106 AD8011AR-R
IC107 PAT/TC7S04FTE85R
IC209 TC7S04FTE85R
IC210 TC7W08FUTL
IC212 NJM2535M-TE1
VEP23451A ENC_CHARA
FL1 VLF1305-T
FL2 VLF1305-T
FL3 VLF1305-T
FL101 VLF1305-T
Q2 2SK662-QRTX
Q4 XN4501-TX
Q5 XN4401-TX
Q8 XN4501-TX
Q9 XN4401-TX
Q12 XN4501-TX
Q13 XN4401-TX
Y_26P
Y26_GND
Y_V
YV_GND
ACP
PR_26P
PR26_GND
PR_V
PRV_GND
ENC_PR
PB_26P
PB26_GND
PB_V
PBV_GND
ENC_PB
MON_OUT
MOUT_GND
VF_OUT
VF_GND
+5VA
-5VA
+5VB
+5VG
-5VG
+3VA
-3VA
+5R6V
-5R6V
G
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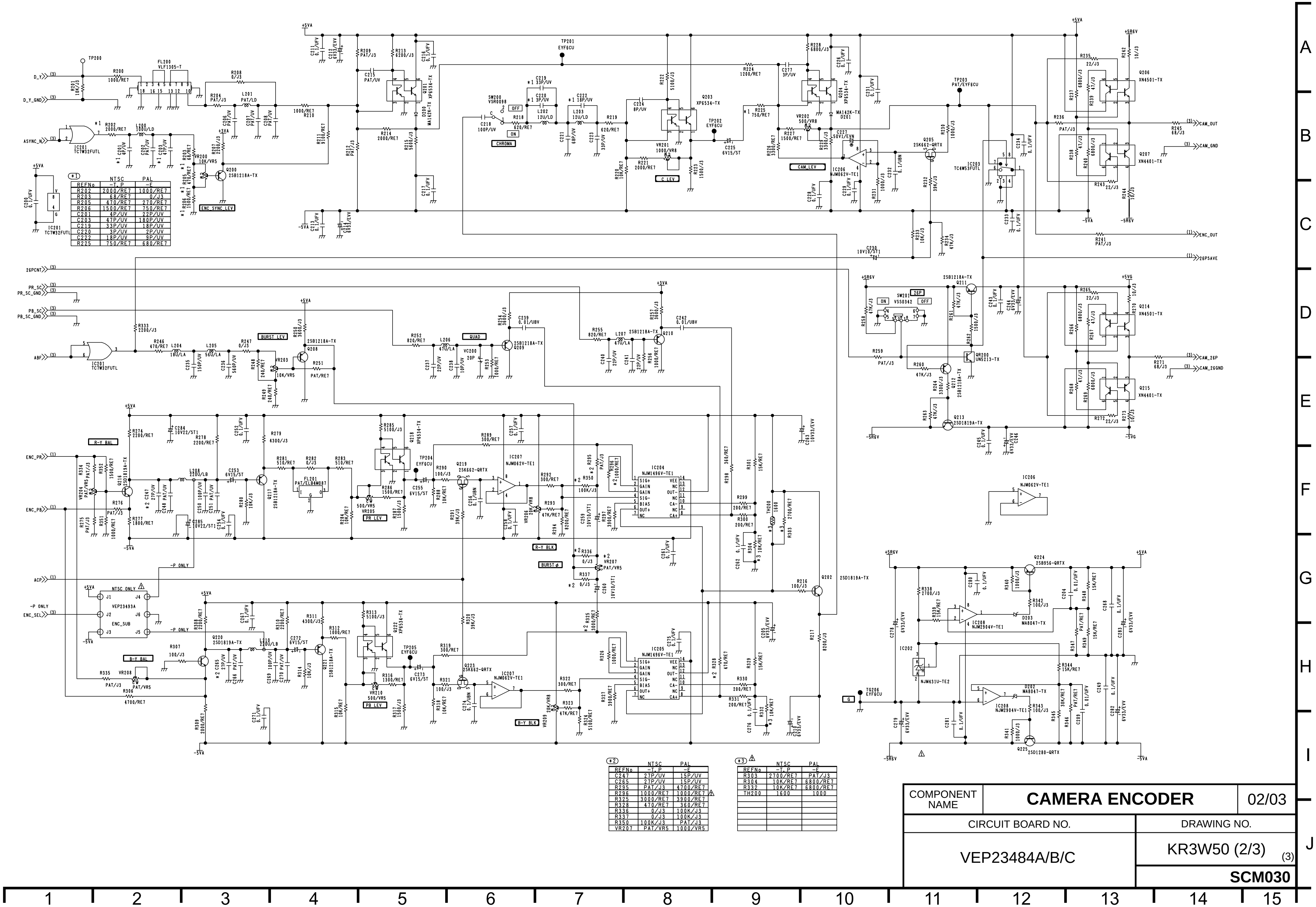
	NTSC	PAL
REFNo	-T, P	-E
R6	2000/RE7	1000/RE7
R7	1600/RE7	820/RE7
R8	390/RE7	180/RE7
R110	2000/RE7	1000/RE7
R111	1500/RE7	680/RE7
R112	390/RE7	330/RE7
C2	4P/UV	22P/UV
C5	47P/UV	180P/UV
C101	4P/UV	22P/UV
C103	47P/UV	180P/UV

COMPONENT NAME	CAMERA ENCODER	01/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23484A/B/C	KR3W50 (1/3) (3)	
	SCM029	


D_Y
D_Y_GND
ASYNC_N
26PCNT
PR_SC
PR_SC_GND
PB_SC
PB_SC_GND
ABF
ENC_PR
ENC_PB
ACP
-P ONLY
ENC_SEL
CAM_OUT
CAM_GND
ENC_OUT
26PSAVE
CAM_26P
CAM_26GND
TP200
TP201 EYF6CU
TP202 EYF6CU
TP203 PAT/EYF6CU
TP204 EYF6CU
TP205 EYF6CU
TG206 EYF6CU
FL200 VLF1305-T
FL201 PAT/ELB4M087
IC201 TC7W32FUTL
IC202 NJM431U-TE2
IC203 TC4W53FUTL
IC204 NJM1496V-TE1
IC205 NJM1496V-TE1
IC206 NJM062V-TE1
IC207 NJM062V-TE1
IC208 NJM2904V-TE1
ENC_SUB VEP23493A
NTSC ONLY
SW200 VSR0098
SW201 VSS0342
QR200 UN5213-TX
ENC_SYNC_LEV
CHROMA
ON
OFF
C_LEV
CAM_LEV
BURST_LEV
QUAD
R-Y BAL
B-Y BAL
PR LEV
PB LEV
R-Y BLK
B-Y BLK
BURST ϕ
26P
+5VA
-5VA
+5R6V
-5R6V
+5VG
-5VG
A
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(*1)

REFNo	NTSC -T,P	PAL -E
R202	2000/RE7	1000/RE7
R203	68/RE7	0/J3
R205	470/RE7	270/RE7
R206	1500/RE7	750/RE7
C201	4P/UV	22P/UV
C203	47P/UV	180P/UV
C219	33P/UV	18P/UV
C220	3P/UV	2P/UV
C222	18P/UV	9P/UV
R225	750/RE7	680/RE7

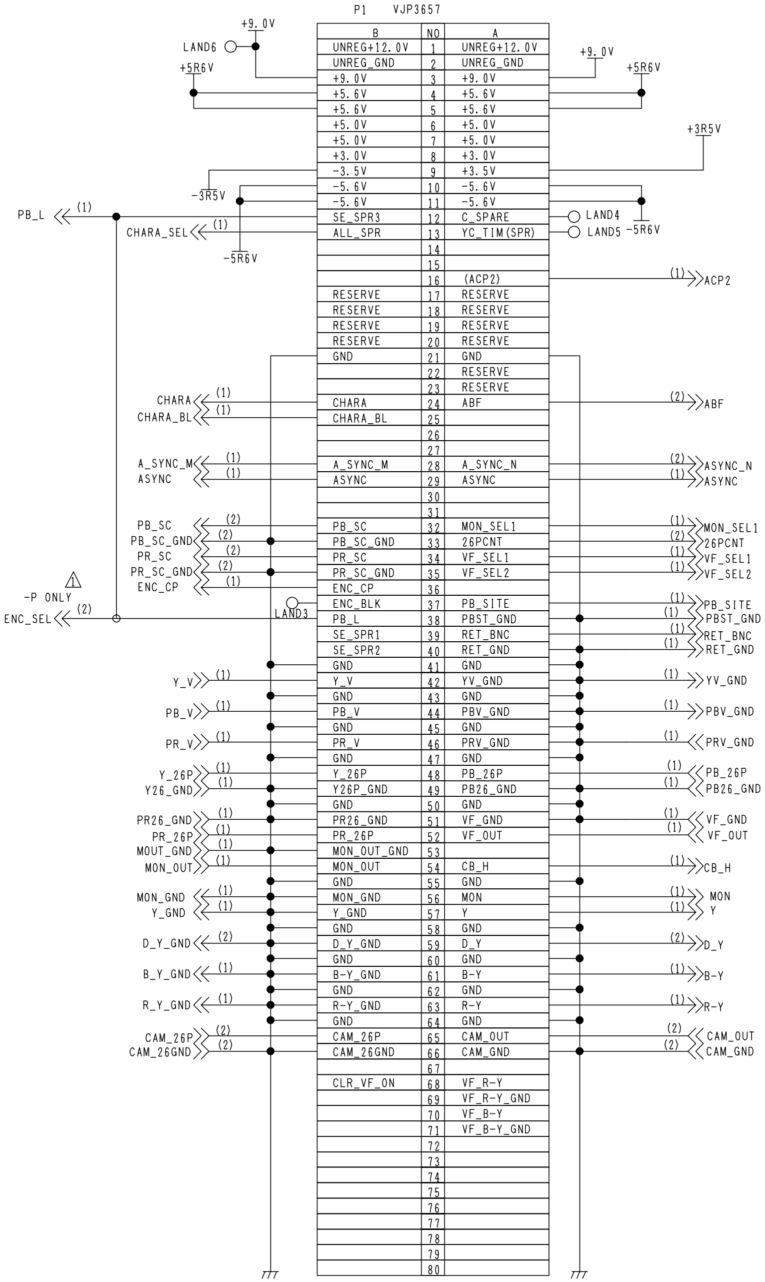
(*2)

REFNo	NTSC -T,P	PAL -E
C247	27P/UV	15P/UV
C265	27P/UV	15P/UV
R295	PAT/J3	4700/RE7
R296	1000/RE7	1000/RE7 ⚠2
R325	3000/RE7	3900/RE7
R328	470/RE7	360/RE7
R336	0/J3	100K/J3
R337	0/J3	100K/J3
R350	100K/J3	PAT/J3
VR207	PAT/VR5	1000/VR5

(*3) ⚠2

REFNo	NTSC -T,P	PAL -E
R303	2700/RE7	PAT/J3
R304	10K/RE7	6800/RE7
R332	10K/RE7	6800/RE7
TH200	1600	1000

COMPONENT NAME	CAMERA ENCODER	02/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23484A/B/C	KR3W50 (2/3) (3)	
	SCM030	


P1 VJP3657
+9.0V
LAND6
+5R6V
-3R5V
(1) PB_L
(1) CHARA_SEL
-5R6V
+9.0V
+5R6V
+3R5V
LAND4
LAND5
-5R6V
(1) ACP2
(1) CHARA
(1) CHARA_BL
(2) ABF
(1) A_SYNC_M
(1) ASYNC
(2) ASYNC_N
(1) ASYNC
(2) PB_SC
(2) PB_SC_GND
(2) PR_SC
(2) PR_SC_GND
(1) ENC_CP
(1) MON_SEL1
(2) 26PCNT
(1) VF_SEL1
(1) VF_SEL2
⚠ -P ONLY
(2) ENC_SEL
LAND3
(1) PB_SITE
(1) PBST_GND
(1) RET_BNC
(1) RET_GND
(1) Y_V
(1) YV_GND
(1) PB_V
(1) PBV_GND
(1) PR_V
(1) PRV_GND
(1) Y_26P
(1) Y26_GND
(1) PB_26P
(1) PB26_GND
(1) PR26_GND
(1) PR_26P
(1) MOUT_GND
(1) MON_OUT
(1) VF_GND
(1) VF_OUT
(1) CB_H
(1) MON_GND
(1) Y_GND
(1) MON
(1) Y
(2) D_Y_GND
(2) D_Y
(1) B_Y_GND
(1) B-Y
(1) R_Y_GND
(1) R-Y
(2) CAM_26P
(2) CAM_26GND
(2) CAM_OUT
(2) CAM_GND

P1 VJP3657

B	NO	A
UNREG+12.0V	1	UNREG+12.0V
UNREG_GND	2	UNREG_GND
+9.0V	3	+9.0V
+5.6V	4	+5.6V
+5.6V	5	+5.6V
+5.0V	6	+5.0V
+5.0V	7	+5.0V
+3.0V	8	+3.0V
-3.5V	9	+3.5V
-5.6V	10	-5.6V
-5.6V	11	-5.6V
SE_SPR3	12	C_SPARE
ALL_SPR	13	YC_TIM(SPR)
	14	
	15	
	16	(ACP2)
RESERVE	17	RESERVE
RESERVE	18	RESERVE
RESERVE	19	RESERVE
RESERVE	20	RESERVE
GND	21	GND
	22	RESERVE
	23	RESERVE
CHARA	24	ABF
CHARA_BL	25	
	26	
	27	
A_SYNC_M	28	A_SYNC_N
ASYNC	29	ASYNC
	30	
	31	
PB_SC	32	MON_SEL1
PB_SC_GND	33	26PCNT
PR_SC	34	VF_SEL1
PR_SC_GND	35	VF_SEL2
ENC_CP	36	
ENC_BLK	37	PB_SITE
PB_L	38	PBST_GND
SE_SPR1	39	RET_BNC
SE_SPR2	40	RET_GND
GND	41	GND
Y_V	42	YV_GND
GND	43	GND
PB_V	44	PBV_GND
GND	45	GND
PR_V	46	PRV_GND
GND	47	GND
Y_26P	48	PB_26P
Y26P_GND	49	PB26_GND
GND	50	GND
PR26_GND	51	VF_GND
PR_26P	52	VF_OUT
MON_OUT_GND	53	
MON_OUT	54	CB_H
GND	55	GND
MON_GND	56	MON
Y_GND	57	Y
GND	58	GND
D_Y_GND	59	D_Y
GND	60	GND
B-Y_GND	61	B-Y
GND	62	GND
R-Y_GND	63	R-Y
GND	64	GND
CAM_26P	65	CAM_OUT
CAM_26GND	66	CAM_GND
	67	
CLR_VF_ON	68	VF_R-Y
	69	VF_R-Y_GND
	70	VF_B-Y
	71	VF_B-Y_GND
	72	
	73	
	74	
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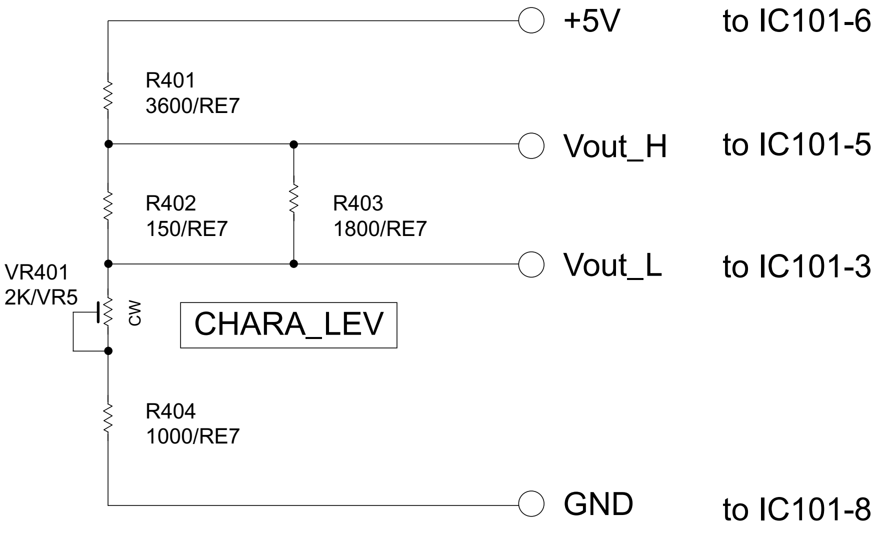
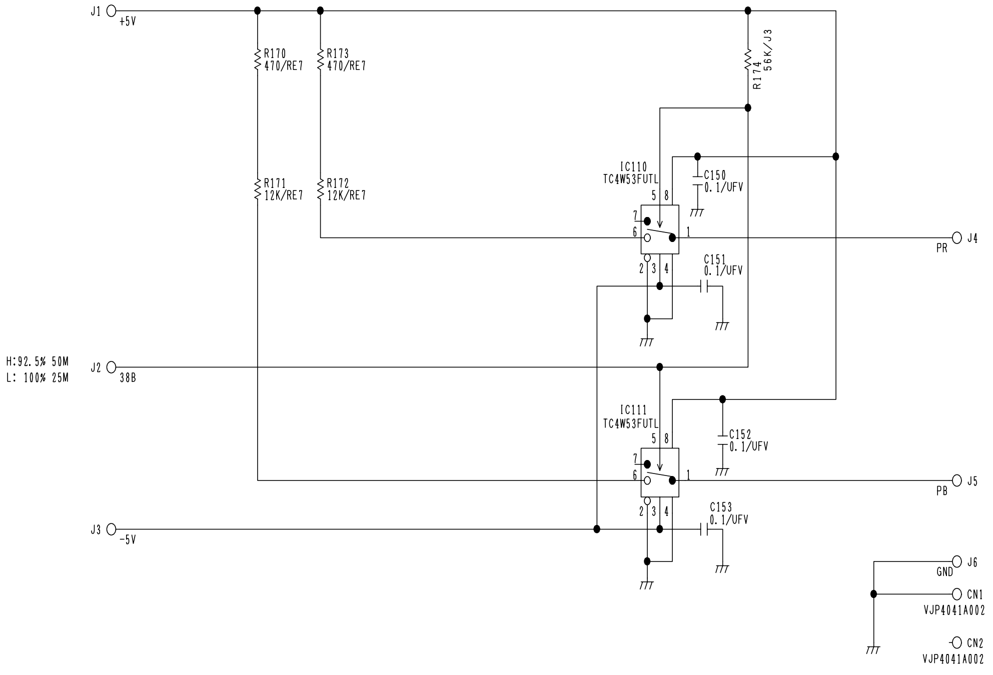
	80	

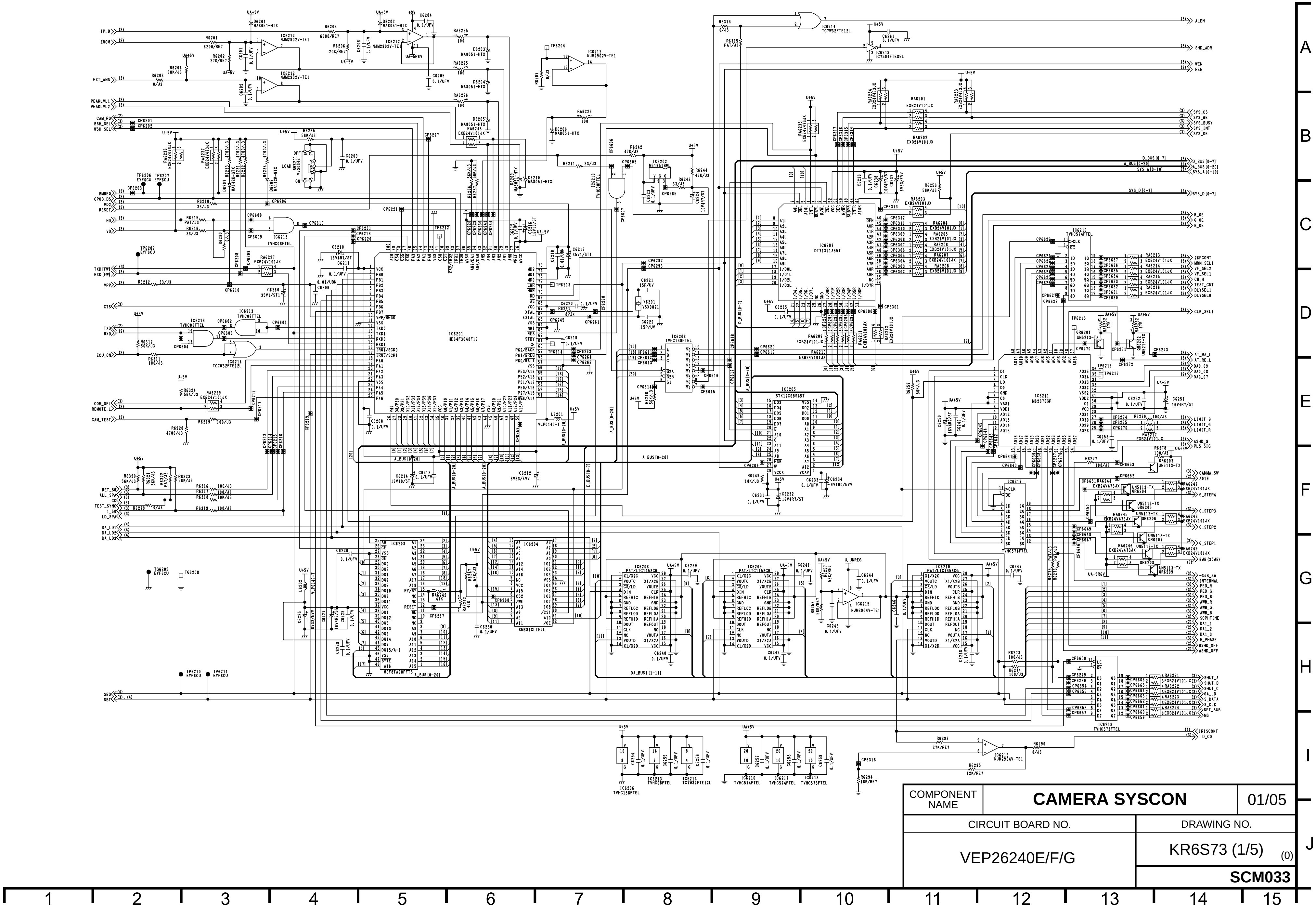
COMPONENT NAME	CAMERA ENCODER	03/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23484A/B/C	KR3W50 (3/3) (3)	
	SCM031	


+5V
to IC101-6
R401
3600/RE7
Vout_H
to IC101-5
R402
150/RE7
R403
1800/RE7
VR401
2K/VR5
CW
Vout_L
to IC101-3
CHARA_LEV
R404
1000/RE7
GND
to IC101-8

COMPONENT NAME	ENC CHARA	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23451A	KR****** (1/1) (0)	
	SCM032	


J1
+5V
R170
470/RE7
R173
470/RE7
R174
56K/J3
IC110
TC4W53FUTL
C150
0.1/UFV
R171
12K/RE7
R172
12K/RE7
5
8
7
6
1
2
3
4
C151
0.1/UFV
J4
PR
H:92.5% 50M
L: 100% 25M
J2
38B
IC111
TC4W53FUTL
C152
0.1/UFV
5
8
7
6
1
2
3
4
J5
PB
J3
-5V
C153
0.1/UFV
J6
GND
CN1
VJP4041A002
CN2
VJP4041A002

COMPONENT NAME	ENC SUB	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23493A	KR****** (1/1) (0)	
	SCM032	


IP_B
ZOOM
EXT_ANS
PEAKLVL1
PEAKLVL2
CAM_RQ
BSH_SEL
WSH_SEL
BMREQ
CPOB_DS
MD2
RESET
HD
VD
TXD(FW)
RXD(FW)
VPP
CTS
TXD
RXD
ECU_ON
COM_SEL
REMOTE_L
CAM_TEST
RET_SW
ALL_SPA
CC
TEST_SYNC
L_SPA
LD_SPA
DA_LD1
DA_LD2
DA_LD3
SBO
SBT
IC6201
HD64F3048F16
IC6203
MBF8TA00PFTS
IC6204
KM681CLTE7L
IC6205
STK12C68545T
IC6206
TVHC138FTEL
IC6207
IDT71321A55T
IC6208
IC6209
IC6210
PAT/LTC1458CG
IC6211
M62370GP
IC6212
NJM2902V-TE1
IC6213
TVHC08FTEL
IC6214
TC7W32FTE12L
IC6215
NJM2904V-TE1
IC6216
TVHC574FTEL
IC6217
IC6218
TVHC573FTEL
A_BUS[0-20]
D_BUS[0-7]
DA_BUS1[1-11]
ALEN
SHD_ADR
WEN
REN
SYS_CS
SYS_WE
SYS_BUSY
SYS_INT
SYS_OE
D_BUS[0-7]
A_BUS[0-20]
SYS_A[0-10]
SYS_D[0-7]
R_OE
G_OE
B_OE
28PCONT
MON_SEL1
VF_SEL2
VF_SEL1
CB_H
TEST_CNT
DLYSEL1
DLYSEL0
CLK_SEL1
AT_MA_L
AT_RE_L
DA0_09
DA0_08
DA0_07
LIMIT_B
LIMIT_G
LIMIT_R
ASHD_G
PLS_SIG
GAMMA_SW
A019
G_STEP4
G_STEP3
G_STEP2
G_STEP1
6dB(30dB)
-3dB_SW
INTERNAL
PED_R
PED_G
PED_B
AWB_R
AWB_G
AWB_B
SCPHFINE
DA1_1
DA1_2
DA1_3
H_PHASE
BSHD_OFF
WSHD_OFF
SHUT_A
SHUT_B
SHUT_C
GA_LD
S_DATA
S_CLK
SET_SUB
MS
IRISCONT
ID_CO
U+5V
UA+5V
UA-5V
A
B
C
D
E
F
G
H
I
J
1
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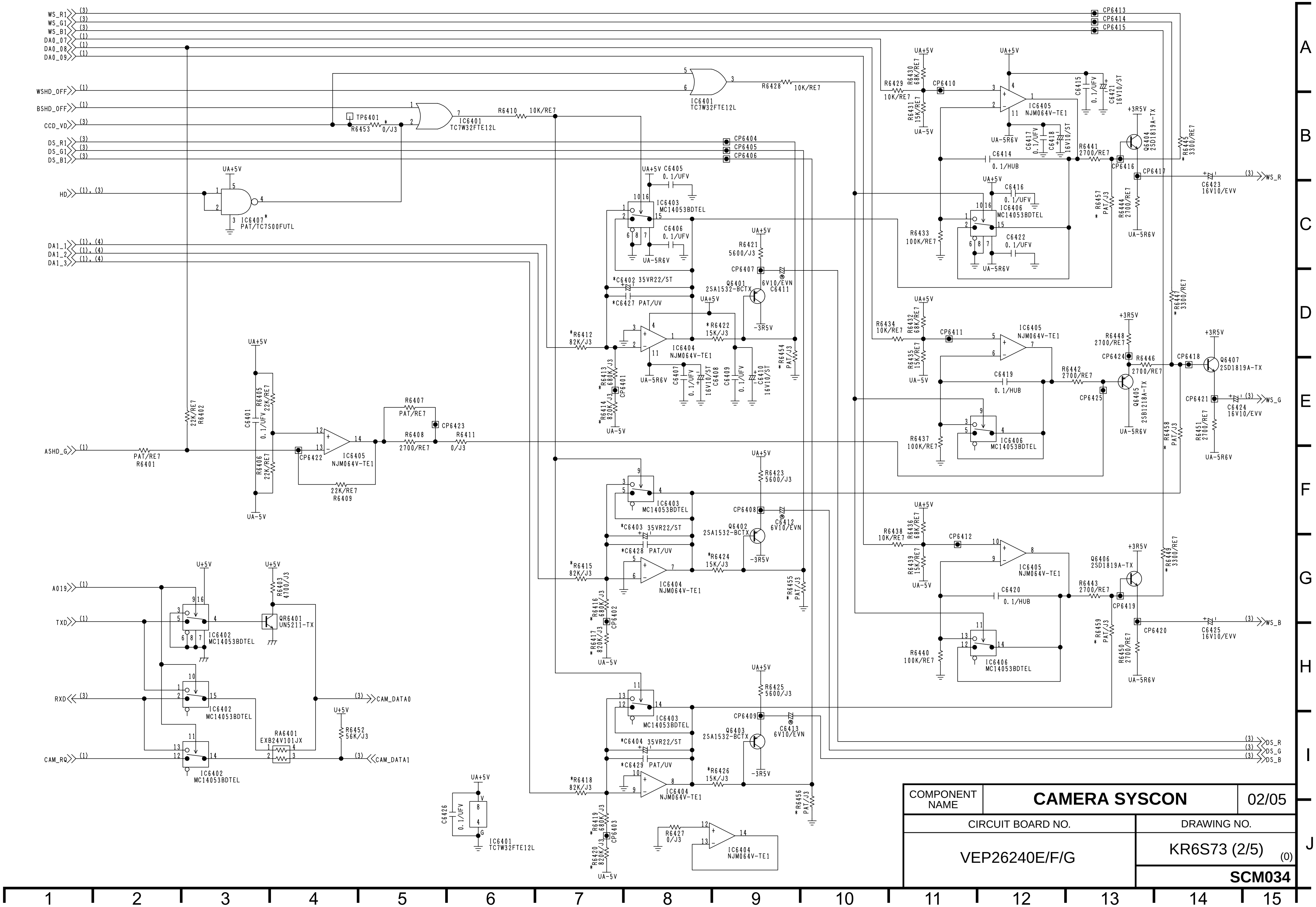
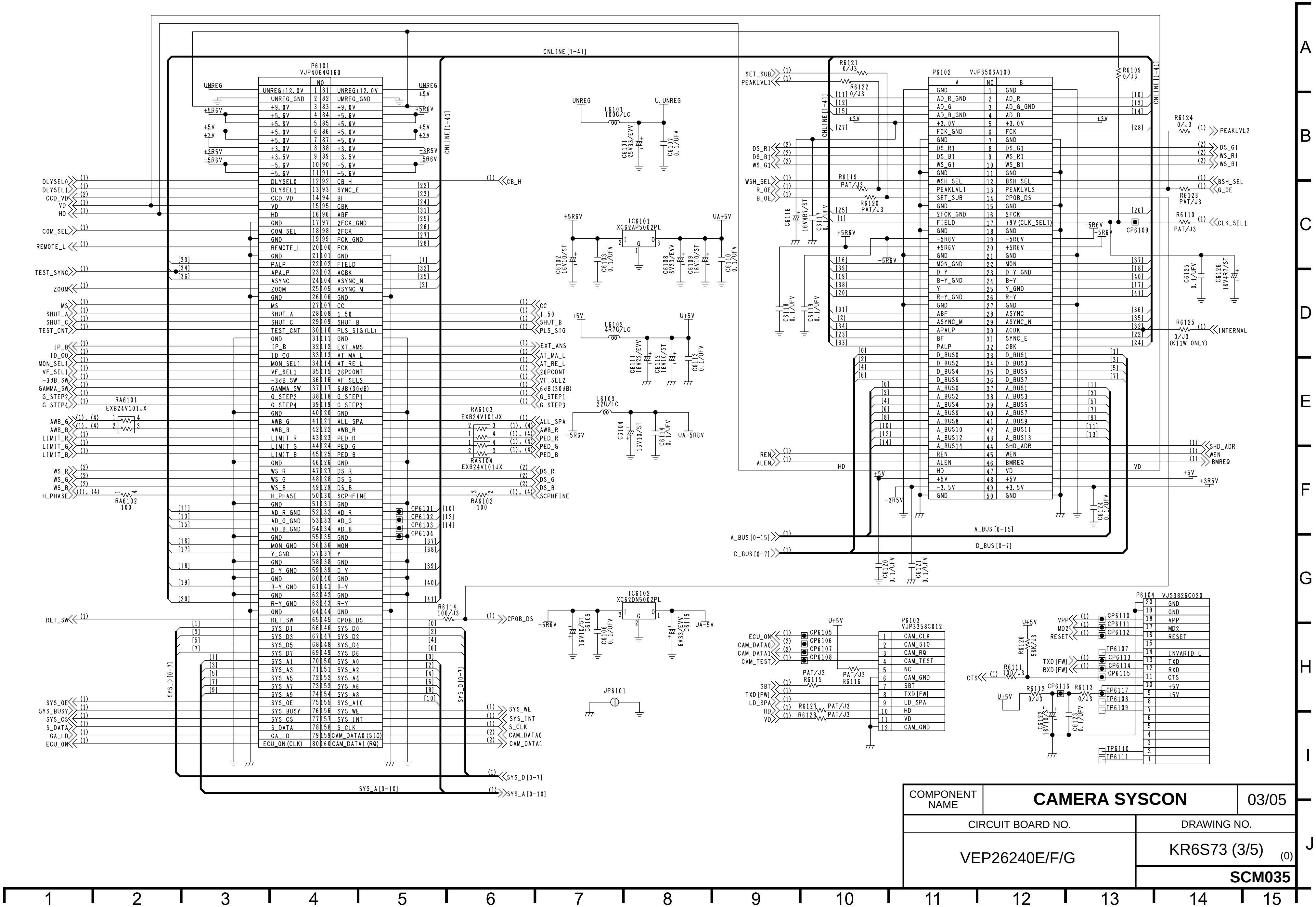
COMPONENT NAME	CAMERA SYSCON	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP26240E/F/G	KR6S73 (1/5) (0)	
	SCM033	


WS_R1
WS_G1
WS_B1
DA0_07
DA0_08
DA0_09
WSHD_OFF
BSHD_OFF
CCD_VD
DS_R1
DS_G1
DS_B1
HD
DA1_1
DA1_2
DA1_3
ASHD_G
A019
TXD
RXD
CAM_RQ
CAM_DATA0
CAM_DATA1
WS_R
WS_G
WS_B
DS_R
DS_G
DS_B
IC6401 TC7W32FTE12L
IC6402 MC14053BDTEL
IC6403 MC14053BDTEL
IC6404 NJM064V-TE1
IC6405 NJM064V-TE1
IC6406 MC14053BDTEL
IC6407 PAT/TC7S00FUTL
Q6401 2SA1532-BCTX
Q6402 2SA1532-BCTX
Q6403 2SA1532-BCTX
Q6404 2SD1819A-TX
Q6405 2SB1218A-TX
Q6406 2SD1819A-TX
Q6407 2SD1819A-TX
QR6401 UN5211-TX
RA6401 EXB24V101JX
TP6401
R6401 PAT/RE7
R6402 22K/RE7
R6403 4700/J3
R6405 22K/RE7
R6406 22K/RE7
R6407 PAT/RE7
R6408 2700/RE7
R6409 22K/RE7
R6410 10K/RE7
R6411 0/J3
R6412 82K/J3
R6413 680K/J3
R6414 820K/J3
R6415 82K/J3
R6416 680K/J3
R6417 820K/J3
R6418 82K/J3
R6419 680K/J3
R6420 820K/J3
R6421 5600/J3
R6422 15K/J3
R6423 5600/J3
R6424 15K/J3
R6425 5600/J3
R6426 15K/J3
R6427 0/J3
R6428 10K/RE7
R6429 10K/RE7
R6430 68K/RE7
R6431 15K/RE7
R6432 68K/RE7
R6433 100K/RE7
R6434 10K/RE7
R6435 15K/RE7
R6436 68K/RE7
R6437 100K/RE7
R6438 10K/RE7
R6439 15K/RE7
R6440 100K/RE7
R6441 2700/RE7
R6442 2700/RE7
R6443 2700/RE7
R6444 2700/RE7
R6445 3300/RE7
R6446 2700/RE7
R6447 3300/RE7
R6448 2700/RE7
R6449 3300/RE7
R6450 2700/RE7
R6451 2700/RE7
R6452 56K/J3
R6453 0/J3
R6454 PAT/J3
R6455 PAT/J3
R6456 PAT/J3
R6457 PAT/J3
R6458 PAT/J3
R6459 PAT/J3
C6401 0.1/UFV
C6402 35VR22/ST
C6403 35VR22/ST
C6404 35VR22/ST
C6405 0.1/UFV
C6406 0.1/UFV
C6407 0.1/UFV
C6408 16V10/ST
C6409 0.1/UFV
C6410 16V10/ST
C6411 6V10/EVN
C6412 6V10/EVN
C6413 6V10/EVN
C6414 0.1/HUB
C6415 0.1/UFV
C6416 0.1/UFV
C6417 0.1/UFV
C6418 16V10/ST
C6419 0.1/HUB
C6420 0.1/HUB
C6421 16V10/ST
C6422 0.1/UFV
C6423 16V10/EVV
C6424 16V10/EVV
C6425 16V10/EVV
C6426 0.1/UFV
C6427 PAT/UV
C6428 PAT/UV
C6429 PAT/UV
CP6401 … CP6425
UA+5V
UA-5V
UA-5R6V
U+5V
+3R5V
-3R5V
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	CAMERA SYSCON	02/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP26240E/F/G	KR6S73 (2/5) (0)	
	SCM034	


P6101
VJP4064Q160
P6102
VJP3506A100
P6103
VJP3358C012
P6104
VJS3826C020
IC6101
XC62AP5002PL
IC6102
XC62DN5002PL
L6101
100U/LC
L6102
4R7U/LC
L6103
22U/LC
RA6101
EXB24V101JX
RA6102
100
RA6103
EXB24V101JX
RA6104
EXB24V101JX
JP6101
CNLINE[1-41]
A_BUS[0-15]
D_BUS[0-7]
SYS_D[0-7]
SYS_A[0-10]
UNREG
U.UNREG
+5R6V
UA+5V
+5V
U+5V
-5R6V
UA-5R6V
UA-5V
CB_H
CPOB_DS
SYS_WE
SYS_INT
S_CLK
CAM_DATA0
CAM_DATA1
PEAKLVL2
DS_G1
WS_R1
WS_B1
BSH_SEL
G_OE
CLK_SEL1
INTERNAL
(K11W ONLY)
SHD_ADR
WEN
BMREQ
A
B
C
D
E
F
G
H
I
J
1
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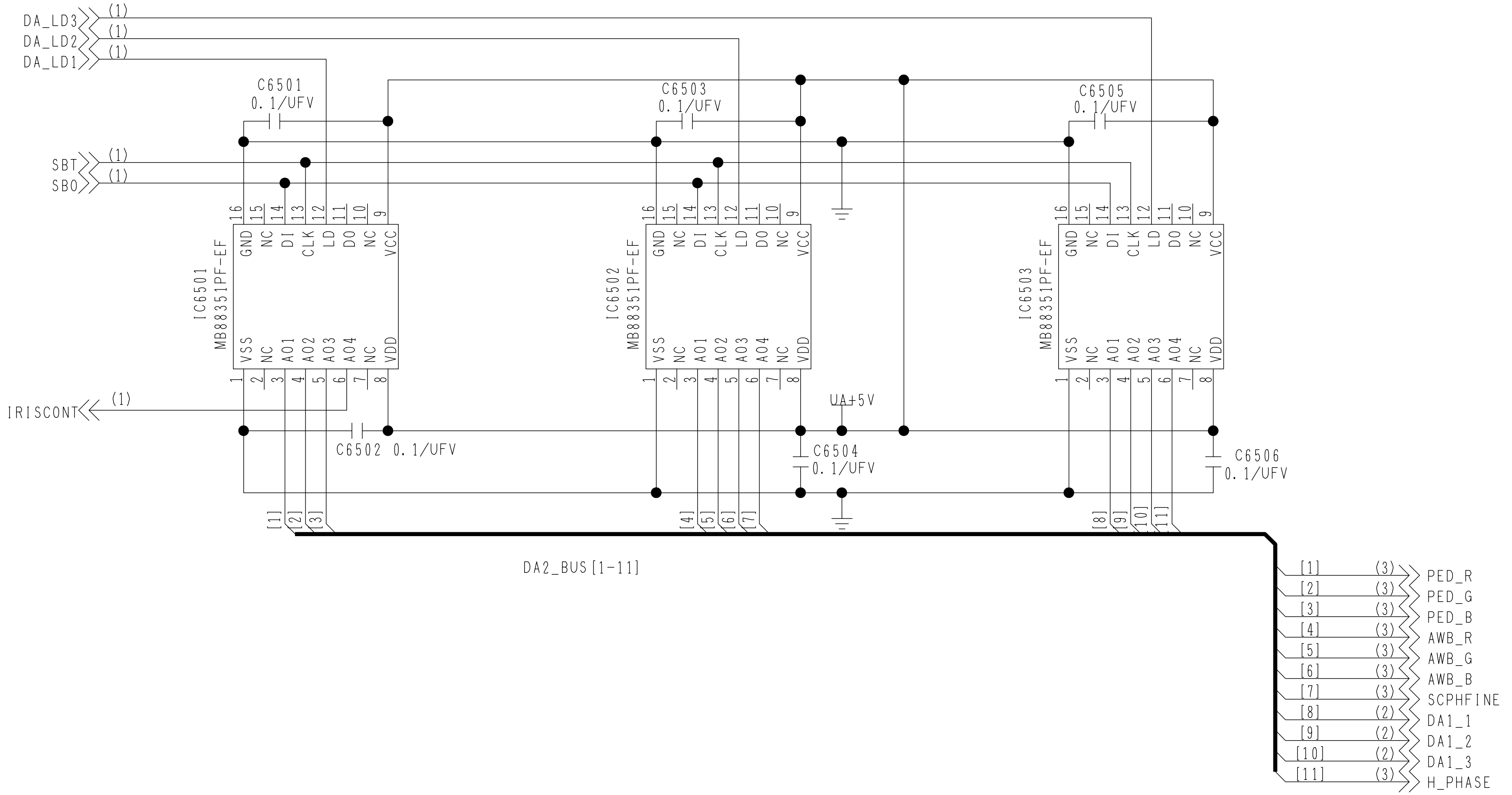
COMPONENT NAME	CAMERA SYSCON	03/05

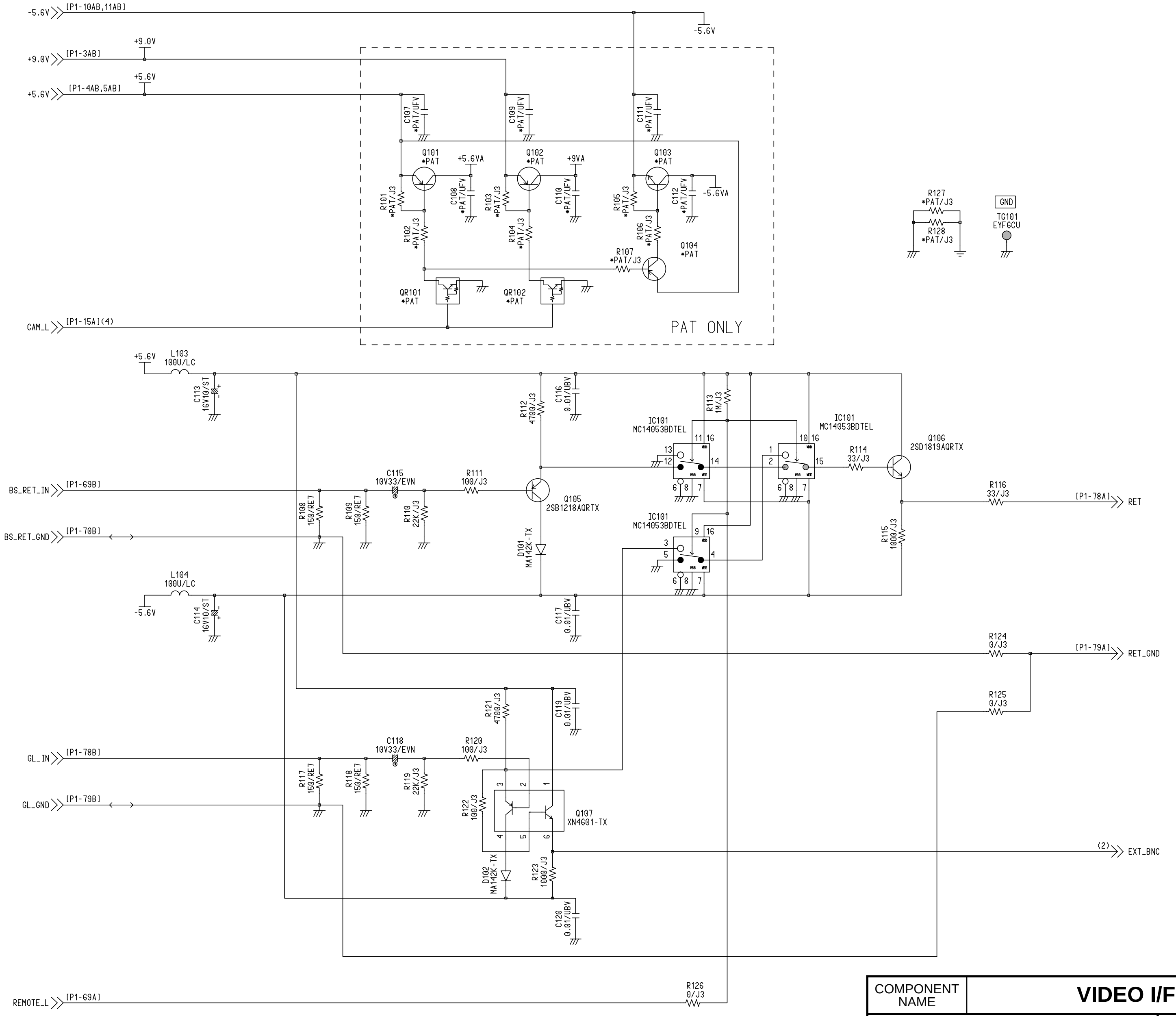
CIRCUIT BOARD NO.	DRAWING NO.
VEP26240E/F/G	KR6S73 (3/5) (0)
	SCM035


DA_LD3 (1)
DA_LD2 (1)
DA_LD1 (1)
SBT (1)
SBO (1)
IRISCONT (1)
C6501 0.1/UFV
C6502 0.1/UFV
C6503 0.1/UFV
C6504 0.1/UFV
C6505 0.1/UFV
C6506 0.1/UFV
IC6501 MB88351PF-EF
IC6502 MB88351PF-EF
IC6503 MB88351PF-EF
GND NC DI CLK LD DO NC VCC
16 15 14 13 12 11 10 9
VSS NC AO1 AO2 AO3 AO4 NC VDD
1 2 3 4 5 6 7 8
UA+5V
DA2_BUS[1-11]
[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11]
[1] (3) PED_R
[2] (3) PED_G
[3] (3) PED_B
[4] (3) AWB_R
[5] (3) AWB_G
[6] (3) AWB_B
[7] (3) SCPHFINE
[8] (2) DA1_1
[9] (2) DA1_2
[10] (2) DA1_3
[11] (3) H_PHASE
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	**CAMERA SYSCON**	04/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP26240E/F/G		KR6S73 (4/5) (0)
		SCM036

	D910WB	D910WBP	D910WBE,MC	D610WB	D610WBP	D610WBE,MC
R6125	PAT/J3	<<-	<<-	<<-	<<-	<<-
R6453	ERJ3GEY0R00V	<<-	<<-	PAT/J3	<<-	<<-
R6412	ERJ3GEYJ823V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6413	ERJ3GEYJ684V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6414	ERJ3GEYJ824V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6415	ERJ3GEYJ823V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6416	ERJ3GEYJ684V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6417	ERJ3GEYJ824V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6418	ERJ3GEYJ823V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6419	ERJ3GEYJ684V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6420	ERJ3GEYJ824V	<<-	<<-	ERJ3RBD563V	<<-	<<-
R6422	ERJ3GEYJ153V	<<-	<<-	PAT/J3	<<-	<<-
R6424	ERJ3GEYJ153V	<<-	<<-	PAT/J3	<<-	<<-
R6426	ERJ3GEYJ153V	<<-	<<-	PAT/J3	<<-	<<-
R6445	ERJ3RBD332V	<<-	<<-	PAT/J3	<<-	<<-
R6447	ERJ3RBD332V	<<-	<<-	PAT/J3	<<-	<<-
R6449	ERJ3RBD332V	<<-	<<-	PAT/J3	<<-	<<-
R6454	PAT/J3	<<-	<<-	ERJ3RBD153V	<<-	<<-
R6455	PAT/J3	<<-	<<-	ERJ3RBD332V	<<-	<<-
R6456	PAT/J3	<<-	<<-	ERJ3RBD332V	<<-	<<-
R6457	PAT/J3	<<-	<<-	ERJ3RBD332V	<<-	<<-
R6458	PAT/J3	<<-	<<-	ERJ3RBD332V	<<-	<<-
R6459	PAT/J3	<<-	<<-	ERJ3RBD332V	<<-	<<-
C6402	ECST1VY224ZR	<<-	<<-	PAT/ST	<<-	<<-
C6403	ECST1VY224ZR	<<-	<<-	PAT/ST	<<-	<<-
C6404	ECST1VY224ZR	<<-	<<-	PAT/ST	<<-	<<-
C6427	PAT/UV	<<-	<<-	ECUV1H102JCV	<<-	<<-
C6428	PAT/UV	<<-	<<-	ECUV1H102JCV	<<-	<<-
C6429	PAT/UV	<<-	<<-	ECUV1H102JCV	<<-	<<-
IC6407	PAT	<<-	<<-	TC7S00FUTL	<<-	<<-
IC6201	Vsi3323	Vsi3323	Vsi3323	HD33048SA85F	HD33048SA85F	HD33048SA85F
IC6203	Vsi3804	Vsi3805	Vsi3806	Vsi3523B	Vsi3524B	Vsi3809

COMPONENT NAME	**CAMERA SYSCON**	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP26240E/F/G	KR6S73 (5/5)-4 (0)	
	SCM037	


-5.6V
[P1-10AB,11AB]
-5.6V
+9.0V
[P1-3AB]
+9.0V
+5.6V
[P1-4AB,5AB]
+5.6V
C107 *PAT/UFV
C109 *PAT/UFV
C111 *PAT/UFV
Q101 *PAT
+5.6VA
Q102 *PAT
+9VA
Q103 *PAT
-5.6VA
R101 *PAT/J3
C108 *PAT/UFV
R103 *PAT/J3
C110 *PAT/UFV
R105 *PAT/J3
C112 *PAT/UFV
R102 *PAT/J3
R104 *PAT/J3
R106 *PAT/J3
Q104 *PAT
R107 *PAT/J3
QR101 *PAT
QR102 *PAT
CAM_L
[P1-15A](4)
PAT ONLY
R127 *PAT/J3
R128 *PAT/J3
GND
TG101 EYF6CU
+5.6V
L103 100U/LC
C113 16V10/ST
R112 4700/J3
C116 0.01/UBV
R113 1M/J3
IC101 MC14053BDTEL
IC101 MC14053BDTEL
Q106 2SD1819AQRTX
R114 33/J3
C115 10V33/EVN
R111 100/J3
BS_RET_IN
[P1-69B]
Q105 2SB1218AQRTX
R108 150/RE7
R109 150/RE7
R110 22K/J3
R116 33/J3
[P1-78A]
RET
BS_RET_GND
[P1-70B]
D101 MA142K-TX
IC101 MC14053BDTEL
R115 1000/J3
L104 100U/LC
-5.6V
C114 16V10/ST
C117 0.01/UBV
R124 0/J3
[P1-79A]
RET_GND
R121 4700/J3
C119 0.01/UBV
R125 0/J3
C118 10V33/EVN
R120 100/J3
GL_IN
[P1-78B]
R117 150/RE7
R118 150/RE7
R119 22K/J3
R122 100/J3
Q107 XN4601-TX
GL_GND
[P1-79B]
(2)
EXT_BNC
D102 MA142K-TX
R123 1000/J3
C120 0.01/UBV
R126 0/J3
REMOTE_L
[P1-69A]
A
B
C
D
E
F
G
H
I
J
1
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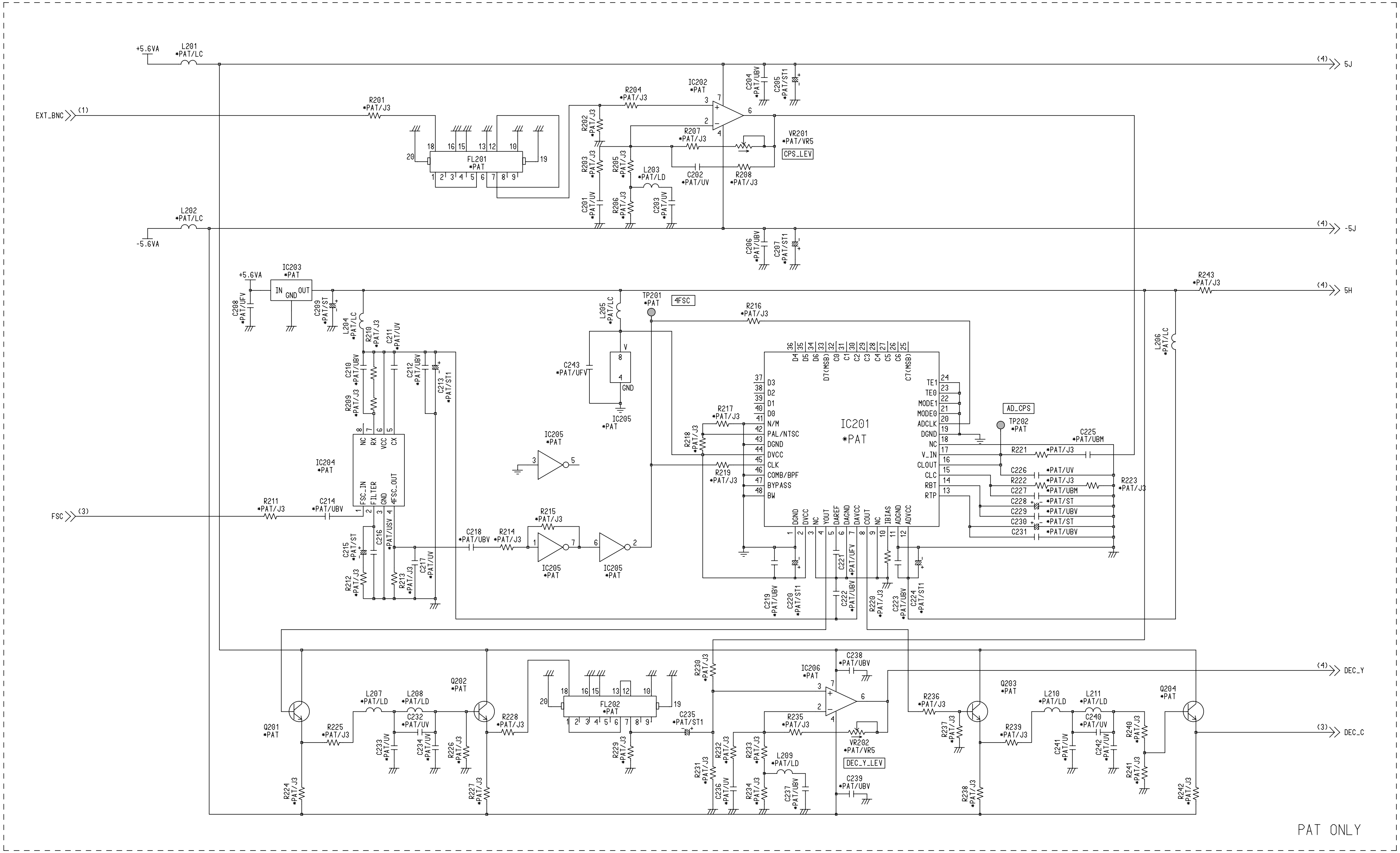
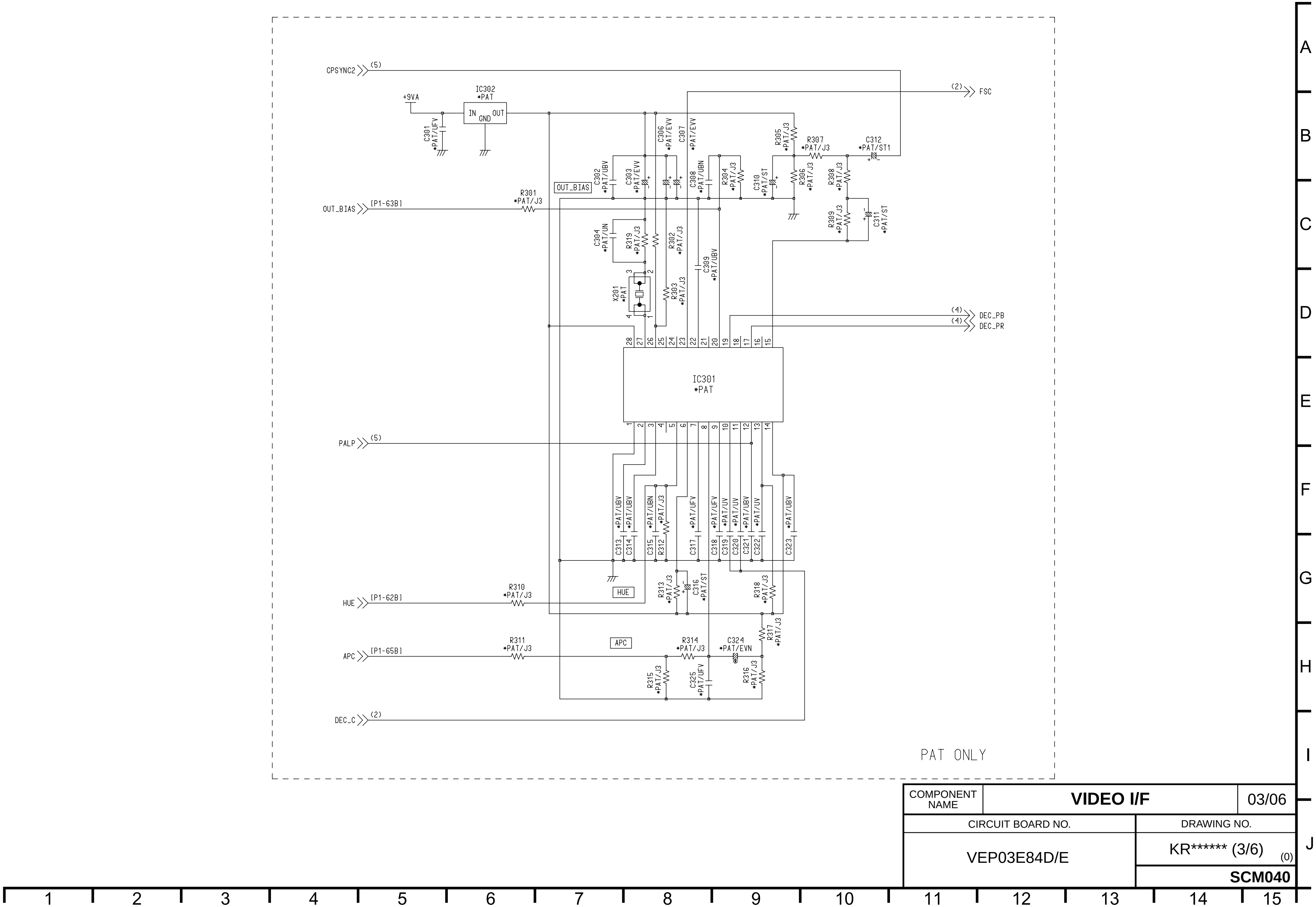
COMPONENT NAME	**VIDEO I/F**	01/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E84D/E	KR****** (1/6) (0)	
	SCM038	


+5.6VA
L201 *PAT/LC
(4) 5J
EXT_BNC (1)
R201 *PAT/J3
R204 *PAT/J3
IC202 *PAT
C204 *PAT/UBV
C205 *PAT/ST1
R202 *PAT/J3
R207 *PAT/J3
VR201 *PAT/VR5
CPS_LEV
FL201 *PAT
R203 *PAT/J3
R205 *PAT/J3
L203 *PAT/LD
C202 *PAT/UV
R208 *PAT/J3
C201 *PAT/UV
R206 *PAT/J3
C203 *PAT/UV
L202 *PAT/LC
-5.6VA
(4) -5J
C206 *PAT/UBV
C207 *PAT/ST1
IC203 *PAT
IN OUT GND
C208 *PAT/UFV
C209 *PAT/ST
L204 *PAT/LC
R210 *PAT/J3
C211 *PAT/UV
C210 *PAT/UBV
C212 *PAT/UBV
C213 *PAT/ST1
R209 *PAT/J3
L205 *PAT/LC
TP201 *PAT
4FSC
R216 *PAT/J3
R243 *PAT/J3
(4) 5H
L206 *PAT/LC
C243 *PAT/UFV
IC205 *PAT
IC204 *PAT
NC RX VCC CX
FSC_IN FILTER GND 4FSC_OUT
R211 *PAT/J3
C214 *PAT/UBV
FSC (3)
R217 *PAT/J3
R218 *PAT/J3
R219 *PAT/J3
IC201 *PAT
D4 D5 D6 D7(MSB) C0 C1 C2 C3 C4 C5 C6 C7(MSB)
D3 D2 D1 D0 N/M PAL/NTSC DGND DVCC CLK COMB/BPF BYPASS BW
TE1 TE0 MODE1 MODE0 ADCLK DGND NC V_IN CLOUT CLC RBT RTP
DGND DVCC NC YOUT DAREF DAGND DAVCC COUT NC IBIAS ADGND ADVCC
AD_CPS
TP202 *PAT
C225 *PAT/UBM
R221 *PAT/J3
C226 *PAT/UV
R222 *PAT/J3
C227 *PAT/UBM
C228 *PAT/ST
C229 *PAT/UBV
C230 *PAT/ST
C231 *PAT/UBV
R223 *PAT/J3
C215 *PAT/ST
C216
C217 *PAT/UV
R212 *PAT/J3
R213 *PAT/J3
C218 *PAT/UBV
R214 *PAT/J3
R215 *PAT/J3
C219 *PAT/UBV
C220 *PAT/ST1
C221
C222 *PAT/UBV
R220 *PAT/J3
C223 *PAT/UBV
C224 *PAT/ST1
Q201 *PAT
R225 *PAT/J3
L207 *PAT/LD
L208 *PAT/LD
C232 *PAT/UV
C233 *PAT/UV
C234 *PAT/UV
Q202 *PAT
R226 *PAT/J3
R227 *PAT/J3
R224 *PAT/J3
R228 *PAT/J3
FL202 *PAT
C235 *PAT/ST1
R229 *PAT/J3
R230 *PAT/J3
IC206 *PAT
C238 *PAT/UBV
R235 *PAT/J3
VR202 *PAT/VR5
DEC_Y_LEV
C239 *PAT/UBV
R231 *PAT/J3
R232 *PAT/J3
C236 *PAT/UV
R233 *PAT/J3
R234 *PAT/J3
L209 *PAT/LD
C237 *PAT/UBV
R236 *PAT/J3
R237 *PAT/J3
Q203 *PAT
R238 *PAT/J3
R239 *PAT/J3
L210 *PAT/LD
L211 *PAT/LD
C240 *PAT/UV
C241 *PAT/UV
C242 *PAT/UV
Q204 *PAT
R240 *PAT/J3
R241 *PAT/J3
R242 *PAT/J3
(4) DEC_Y
(3) DEC_C
PAT ONLY
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	VIDEO I/F	02/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E84D/E	KR****** (2/6) (0)	
	SCM039	


CPSYNC2
(5)
(2)
FSC
+9VA
IC302
*PAT
IN
GND
OUT
C301
*PAT/UFV
C302
*PAT/UBV
C303
*PAT/EVV
C306
*PAT/EVV
C307
*PAT/EVV
C308
*PAT/UBN
R304
*PAT/J3
C310
*PAT/ST
R305
*PAT/J3
R307
*PAT/J3
R306
*PAT/J3
C312
*PAT/ST1
R308
*PAT/J3
R309
*PAT/J3
C311
*PAT/ST
OUT_BIAS
OUT_BIAS
[P1-63B]
R301
*PAT/J3
C304
*PAT/UN
R319
*PAT/J3
R302
*PAT/J3
C309
*PAT/UBV
X201
*PAT
R303
*PAT/J3
(4)
DEC_PB
(4)
DEC_PR
IC301
*PAT
PALP
(5)
C313
*PAT/UBV
C314
*PAT/UBV
C315
*PAT/UBN
R312
*PAT/J3
C317
*PAT/UFV
C318
*PAT/UFV
C319
*PAT/UV
C320
*PAT/UV
C321
*PAT/UBV
C322
*PAT/UV
C323
*PAT/UBV
HUE
HUE
[P1-62B]
R310
*PAT/J3
R313
*PAT/J3
C316
*PAT/ST
R318
*PAT/J3
R317
*PAT/J3
APC
APC
[P1-65B]
R311
*PAT/J3
R314
*PAT/J3
C324
*PAT/EVN
R315
*PAT/J3
C325
*PAT/UFV
R316
*PAT/J3
DEC_C
(2)
PAT ONLY
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
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12
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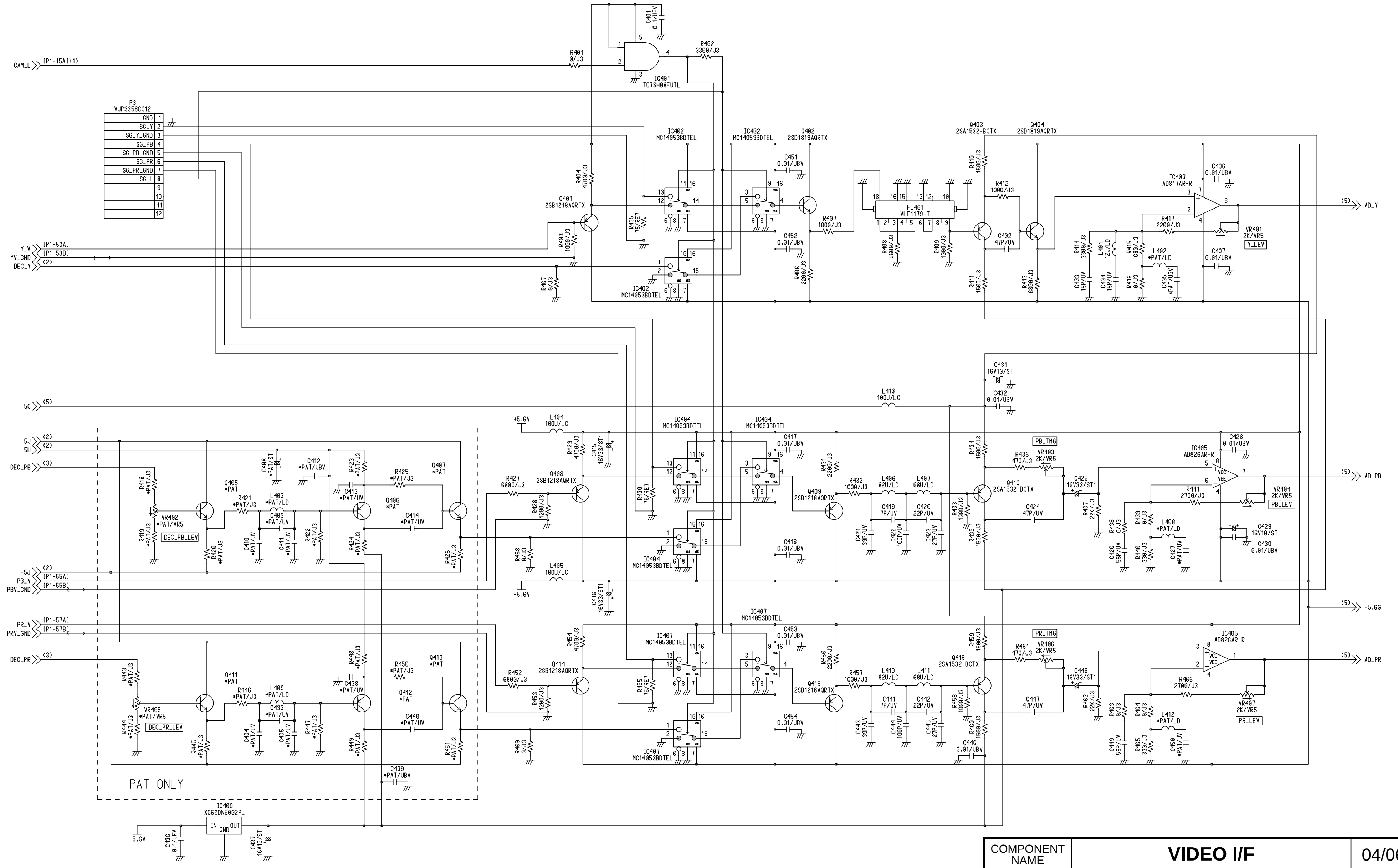
COMPONENT NAME	**VIDEO I/F**	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E84D/E	KR****** (3/6) (0)	
	SCM040	


CAM_L [P1-15A](1)
R401 0/J3
C401 0.1/UFV
IC401 TC7SH08FUTL
R402 3300/J3
P3 VJP3358C012
GND 1
SG_Y 2
SG_Y_GND 3
SG_PB 4
SG_PB_GND 5
SG_PR 6
SG_PR_GND 7
SG_L 8
9
10
11
12
IC402 MC14053BDTEL
Q402 2SD1819AQRTX
C451 0.01/UBV
C452 0.01/UBV
R404 4700/J3
Q401 2SB1218AQRTX
R403 1000/J3
R405 75/RE7
R406 2200/J3
R407 1000/J3
R467 0/J3
Y_V [P1-53A]
YV_GND [P1-53B]
DEC_Y (2)
FL401 VLF1179-T
R408 5600/J3
R409 1000/J3
Q403 2SA1532-BCTX
Q404 2SD1819AQRTX
R410 1500/J3
R411 1500/J3
R412 1000/J3
C402 47P/UV
R413 6800/J3
IC403 AD817AR-R
C406 0.01/UBV
C407 0.01/UBV
R414 3300/J3
L401 12U/LD
C403 15P/UV
C404 15P/UV
R415 680/J3
R416 0/J3
L402 •PAT/LD
C405 •PAT/UBV
R417 2200/J3
VR401 2K/VR5
Y_LEV
(5) AD_Y
C431 16V10/ST
L413 100U/LC
C432 0.01/UBV
5C (5)
+5.6V
L404 100U/LC
5J (2)
5H (2)
DEC_PB (3)
R418 •PAT/J3
VR402 •PAT/VR5
R419 •PAT/J3
DEC_PB_LEV
Q405 •PAT
R420 •PAT/J3
R421 •PAT/J3
L403 •PAT/LD
C408 •PAT/ST
C409 •PAT/UV
C410 •PAT/UV
C411 •PAT/UV
R422 •PAT/J3
C412 •PAT/UBV
C413 •PAT/UV
Q406 •PAT
R423 •PAT/J3
R424 •PAT/J3
R425 •PAT/J3
Q407 •PAT
C414 •PAT/UV
R426 •PAT/J3
R427 6800/J3
Q408 2SB1218AQRTX
R428 1200/J3
R429 4700/J3
C415 16V33/ST1
R430 75/RE7
R468 0/J3
L405 100U/LC
-5.6V
C416 16V33/ST1
-5J (2)
PB_V [P1-55A]
PBV_GND [P1-55B]
IC404 MC14053BDTEL
C417 0.01/UBV
C418 0.01/UBV
R431 2200/J3
Q409 2SB1218AQRTX
R432 1000/J3
L406 82U/LD
L407 68U/LD
C419 7P/UV
C420 22P/UV
C421 39P/UV
C422 100P/UV
C423 27P/UV
R433 1000/J3
R434 1500/J3
R435 1500/J3
Q410 2SA1532-BCTX
PB_TMG
R436 470/J3
VR403 2K/VR5
C424 47P/UV
C425 16V33/ST1
R437 22K/J3
R438 0/J3
R439 0/J3
R440 330/J3
C426 56P/UV
L408 •PAT/LD
C427 •PAT/UV
IC405 AD826AR-R
C428 0.01/UBV
R441 2700/J3
VR404 2K/VR5
PB_LEV
C429 16V10/ST
C430 0.01/UBV
(5) AD_PB
(5) -5.6G
PR_V [P1-57A]
PRV_GND [P1-57B]
DEC_PR (3)
R443 •PAT/J3
VR405 •PAT/VR5
R444 •PAT/J3
DEC_PR_LEV
Q411 •PAT
R445 •PAT/J3
R446 •PAT/J3
L409 •PAT/LD
C433 •PAT/UV
C434 •PAT/UV
C435 •PAT/UV
R447 •PAT/J3
C438 •PAT/UV
Q412 •PAT
R448 •PAT/J3
R449 •PAT/J3
R450 •PAT/J3
Q413 •PAT
C440 •PAT/UV
R451 •PAT/J3
C439 •PAT/UBV
PAT ONLY
R452 6800/J3
Q414 2SB1218AQRTX
R453 1200/J3
R454 4700/J3
R455 75/RE7
R469 0/J3
IC407 MC14053BDTEL
C453 0.01/UBV
C454 0.01/UBV
R456 2200/J3
Q415 2SB1218AQRTX
R457 1000/J3
L410 82U/LD
L411 68U/LD
C441 7P/UV
C442 22P/UV
C443 39P/UV
C444 100P/UV
C445 27P/UV
R458 1000/J3
R459 1500/J3
R460 1500/J3
C446 0.01/UBV
Q416 2SA1532-BCTX
PR_TMG
R461 470/J3
VR406 2K/VR5
C447 47P/UV
C448 16V33/ST1
R462 22K/J3
R463 0/J3
R464 0/J3
R465 330/J3
C449 56P/UV
L412 •PAT/LD
C450 •PAT/UV
R466 2700/J3
VR407 2K/VR5
PR_LEV
(5) AD_PR
IC406 XC62DN5002PL
IN OUT GND
-5.6V
C436 0.1/UFV
C437 16V10/ST
A
B
C
D
E
F
G
H
I
J
1
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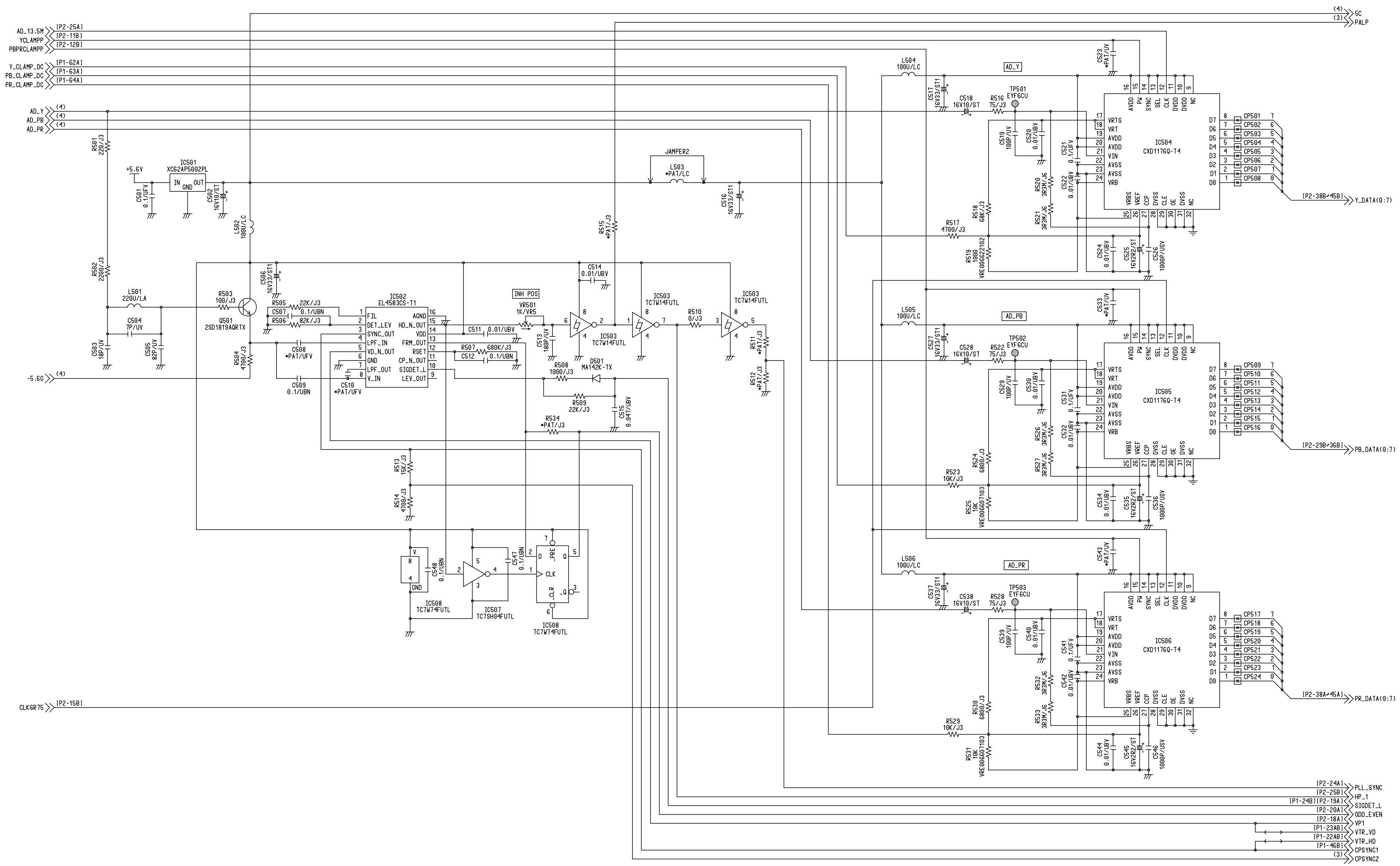
COMPONENT NAME	VIDEO I/F	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E84D/E	KR****** (4/6) (0)	
	SCM041	


AD_13.5M [P2-25A]
YCLAMPP [P2-11B]
PBPRCLAMPP [P2-12B]
Y_CLAMP_DC [P1-62A]
PB_CLAMP_DC [P1-63A]
PR_CLAMP_DC [P1-64A]
AD_Y (4)
AD_PB (4)
AD_PR (4)
-5.6G (4)
CLKGR75 [P2-15B]
(4) SC
(3) PALP
IC501 XC62AP5002PL
+5.6V
L501 220U/LA
Q501 2SD1819AQRTX
IC502 EL4583CS-T1
FIL
DET_LEV
SYNC_OUT
LPF_IN
VD_N_OUT
GND
LPF_OUT
V_IN
AGND
HD_N_OUT
VDD
FRM_OUT
RSET
CP_N_OUT
SIGDET_L
LEV_OUT
INH POS
VR501 1K/VR5
IC503 TC7W14FUTL
D501 MA142K-TX
JAMPER2
L503 *PAT/LC
L504 100U/LC
L505 100U/LC
L506 100U/LC
AD_Y
AD_PB
AD_PR
TP501 EYF6CU
TP502 EYF6CU
TP503 EYF6CU
IC504 CXD1176Q-T4
IC505 CXD1176Q-T4
IC506 CXD1176Q-T4
AVDD
PW
SYNC
SEL
CLK
DVDD
NC
VRTS
VRT
VIN
AVSS
VRB
VRBS
VREF
CP
DVSS
CLE
OE
D7
D6
D5
D4
D3
D2
D1
D0
CP501
CP502
CP503
CP504
CP505
CP506
CP507
CP508
CP509
CP510
CP511
CP512
CP513
CP514
CP515
CP516
CP517
CP518
CP519
CP520
CP521
CP522
CP523
CP524
[P2-38B~45B] Y_DATA(0:7)
[P2-29B~36B] PB_DATA(0:7)
[P2-38A~45A] PR_DATA(0:7)
IC508 TC7W74FUTL
IC507 TC7SH04FUTL
D
CLK
_PRE
_CLR
Q
_Q
[P2-24A] PLL_SYNC
[P2-25B] HP_1
[P1-24B][P2-19A] SIGDET_L
[P2-20A] ODD_EVEN
[P2-18A] VP1
[P1-23AB] VTR_VD
[P1-22AB] VTR_HD
[P1-46B] CPSYNC1
(3) CPSYNC2
A
B
C
D
E
F
G
H
I
J
1
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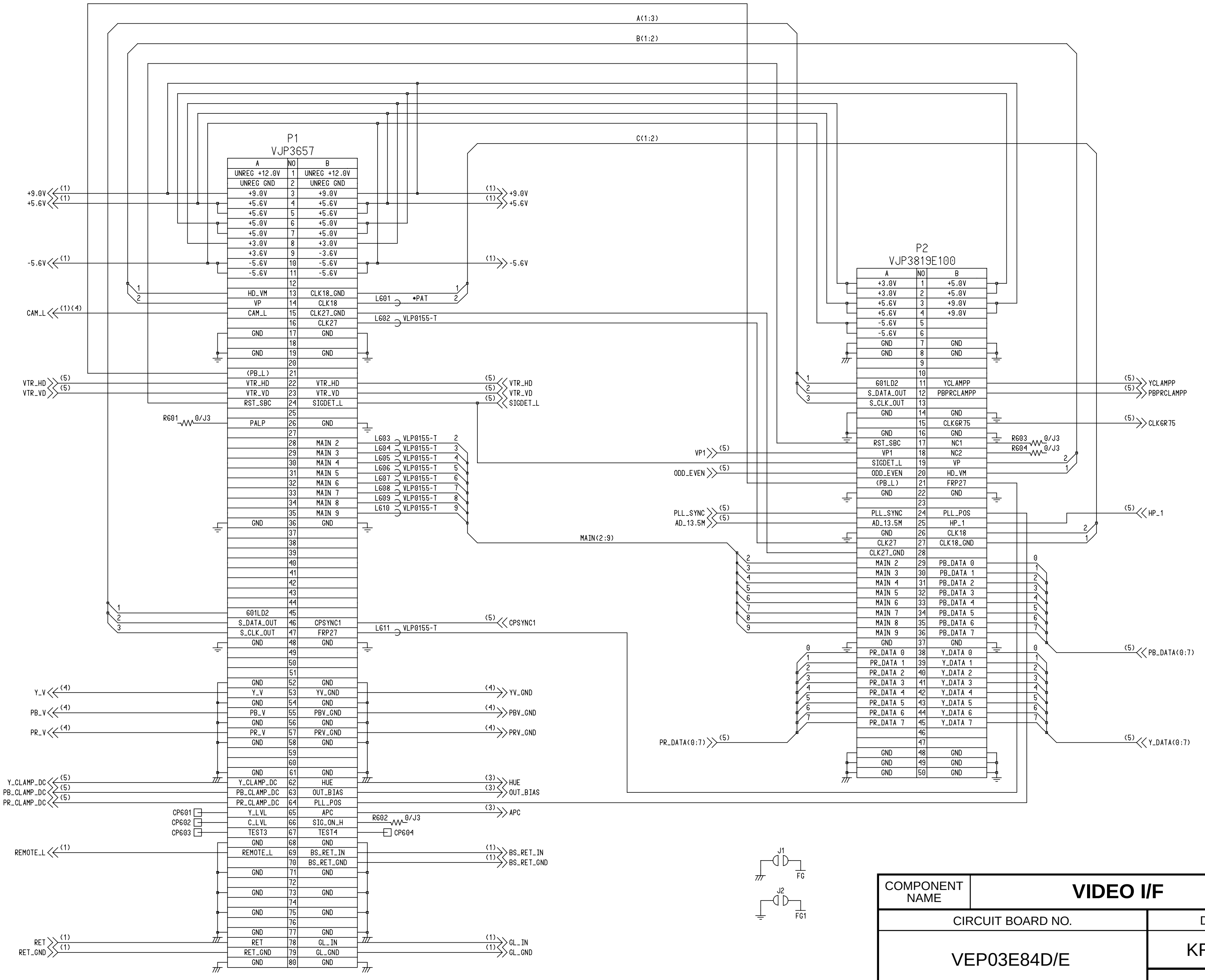
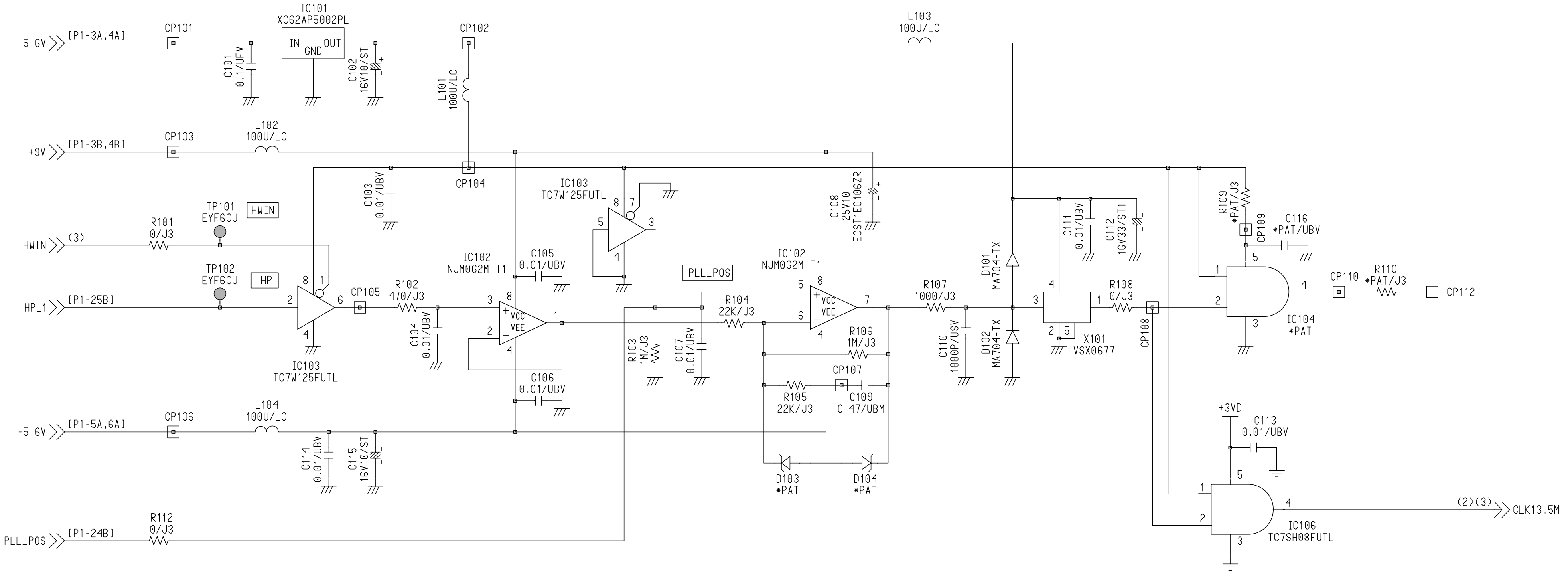
COMPONENT NAME	**VIDEO I/F**	05/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP03E84D/E		KR****** (5/6) (0)
		SCM042


A(1:3)
B(1:2)
C(1:2)
P1
VJP3657
A | NO | B
UNREG +12.0V | 1 | UNREG +12.0V
UNREG GND | 2 | UNREG GND
+9.0V | 3 | +9.0V
+5.6V | 4 | +5.6V
+5.6V | 5 | +5.6V
+5.0V | 6 | +5.0V
+5.0V | 7 | +5.0V
+3.0V | 8 | +3.0V
+3.6V | 9 | -3.6V
-5.6V | 10 | -5.6V
-5.6V | 11 | -5.6V
12
HD_VM | 13 | CLK18_GND
VP | 14 | CLK18
CAM_L | 15 | CLK27_GND
16 | CLK27
GND | 17 | GND
18
GND | 19 | GND
20
(PB_L) | 21
VTR_HD | 22 | VTR_HD
VTR_VD | 23 | VTR_VD
RST_SBC | 24 | SIGDET_L
25
PALP | 26 | GND
27
28 | MAIN 2
29 | MAIN 3
30 | MAIN 4
31 | MAIN 5
32 | MAIN 6
33 | MAIN 7
34 | MAIN 8
35 | MAIN 9
GND | 36 | GND
37
38
39
40
41
42
43
44
601LD2 | 45
S_DATA_OUT | 46 | CPSYNC1
S_CLK_OUT | 47 | FRP27
GND | 48 | GND
49
50
51
GND | 52 | GND
Y_V | 53 | YV_GND
GND | 54 | GND
PB_V | 55 | PBV_GND
GND | 56 | GND
PR_V | 57 | PRV_GND
GND | 58 | GND
59
60
GND | 61 | GND
Y_CLAMP_DC | 62 | HUE
PB_CLAMP_DC | 63 | OUT_BIAS
PR_CLAMP_DC | 64 | PLL_POS
Y_LVL | 65 | APC
C_LVL | 66 | SIG_ON_H
TEST3 | 67 | TEST4
GND | 68 | GND
REMOTE_L | 69 | BS_RET_IN
70 | BS_RET_GND
GND | 71 | GND
72
GND | 73 | GND
74
GND | 75 | GND
76
GND | 77 | GND
RET | 78 | GL_IN
RET_GND | 79 | GL_GND
GND | 80 | GND
+9.0V (1)
+5.6V (1)
-5.6V (1)
CAM_L (1)(4)
VTR_HD (5)
VTR_VD (5)
R601 0/J3
(1) +9.0V
(1) +5.6V
(1) -5.6V
L601 *PAT
L602 VLP0155-T
(5) VTR_HD
(5) VTR_VD
(5) SIGDET_L
L603 VLP0155-T 2
L604 VLP0155-T 3
L605 VLP0155-T 4
L606 VLP0155-T 5
L607 VLP0155-T 6
L608 VLP0155-T 7
L609 VLP0155-T 8
L610 VLP0155-T 9
MAIN(2:9)
(5) CPSYNC1
L611 VLP0155-T
Y_V (4)
PB_V (4)
PR_V (4)
(4) YV_GND
(4) PBV_GND
(4) PRV_GND
Y_CLAMP_DC (5)
PB_CLAMP_DC (5)
PR_CLAMP_DC (5)
CP601
CP602
CP603
(3) HUE
(3) OUT_BIAS
(3) APC
R602 0/J3
CP604
REMOTE_L (1)
(1) BS_RET_IN
(1) BS_RET_GND
RET (1)
RET_GND (1)
(1) GL_IN
(1) GL_GND
P2
VJP3819E100
A | NO | B
+3.0V | 1 | +5.0V
+3.0V | 2 | +5.0V
+5.6V | 3 | +9.0V
+5.6V | 4 | +9.0V
-5.6V | 5
-5.6V | 6
GND | 7 | GND
GND | 8 | GND
9
10
601LD2 | 11 | YCLAMPP
S_DATA_OUT | 12 | PBPRCLAMPP
S_CLK_OUT | 13
GND | 14 | GND
15 | CLK6R75
GND | 16 | GND
RST_SBC | 17 | NC1
VP1 | 18 | NC2
SIGDET_L | 19 | VP
ODD_EVEN | 20 | HD_VM
(PB_L) | 21 | FRP27
GND | 22 | GND
23
PLL_SYNC | 24 | PLL_POS
AD_13.5M | 25 | HP_1
GND | 26 | CLK18
CLK27 | 27 | CLK18_GND
CLK27_GND | 28
MAIN 2 | 29 | PB_DATA 0
MAIN 3 | 30 | PB_DATA 1
MAIN 4 | 31 | PB_DATA 2
MAIN 5 | 32 | PB_DATA 3
MAIN 6 | 33 | PB_DATA 4
MAIN 7 | 34 | PB_DATA 5
MAIN 8 | 35 | PB_DATA 6
MAIN 9 | 36 | PB_DATA 7
GND | 37 | GND
PR_DATA 0 | 38 | Y_DATA 0
PR_DATA 1 | 39 | Y_DATA 1
PR_DATA 2 | 40 | Y_DATA 2
PR_DATA 3 | 41 | Y_DATA 3
PR_DATA 4 | 42 | Y_DATA 4
PR_DATA 5 | 43 | Y_DATA 5
PR_DATA 6 | 44 | Y_DATA 6
PR_DATA 7 | 45 | Y_DATA 7
46
47
GND | 48 | GND
GND | 49 | GND
GND | 50 | GND
(5) YCLAMPP
(5) PBPRCLAMPP
(5) CLK6R75
R603 0/J3
R604 0/J3
VP1 (5)
ODD_EVEN (5)
PLL_SYNC (5)
AD_13.5M (5)
(5) HP_1
(5) PB_DATA(0:7)
PR_DATA(0:7) (5)
(5) Y_DATA(0:7)
J1
FG
J2
FG1

COMPONENT NAME	VIDEO I/F	06/06

CIRCUIT BOARD NO.	DRAWING NO.
VEP03E84D/E	KR****** (6/6) (0)
	SCM043


+5.6V
[P1-3A,4A]
CP101
IC101
XC62AP5002PL
IN
GND
OUT
C101
0.1/UFV
C102
16V10/ST
CP102
L103
100U/LC
L101
100U/LC
+9V
[P1-3B,4B]
CP103
L102
100U/LC
CP104
C103
0.01/UBV
IC103
TC7W125FUTL
C108
25V10
ECST1EC106ZR
HWIN
(3)
R101
0/J3
TP101
EYF6CU
HWIN
TP102
EYF6CU
HP
HP_1
[P1-25B]
CP105
R102
470/J3
C104
0.01/UBV
IC102
NJM062M-T1
C105
0.01/UBV
VCC
VEE
C106
0.01/UBV
PLL_POS
IC102
NJM062M-T1
R103
1M/J3
C107
0.01/UBV
R104
22K/J3
R106
1M/J3
R105
22K/J3
CP107
C109
0.47/UBM
D103
*PAT
D104
*PAT
R107
1000/J3
C110
1000P/USV
D101
MA704-TX
D102
MA704-TX
C111
0.01/UBV
C112
16V33/ST1
X101
VSX0677
R108
0/J3
CP108
R109
*PAT/J3
CP109
C116
*PAT/UBV
IC104
*PAT
CP110
R110
*PAT/J3
CP112
IC103
TC7W125FUTL
-5.6V
[P1-5A,6A]
CP106
L104
100U/LC
C114
0.01/UBV
C115
16V10/ST
+3VD
C113
0.01/UBV
IC106
TC7SH08FUTL
(2)(3)
CLK13.5M
PLL_POS
[P1-24B]
R112
0/J3
A
B
C
D
E
F
G
H
I
J
1
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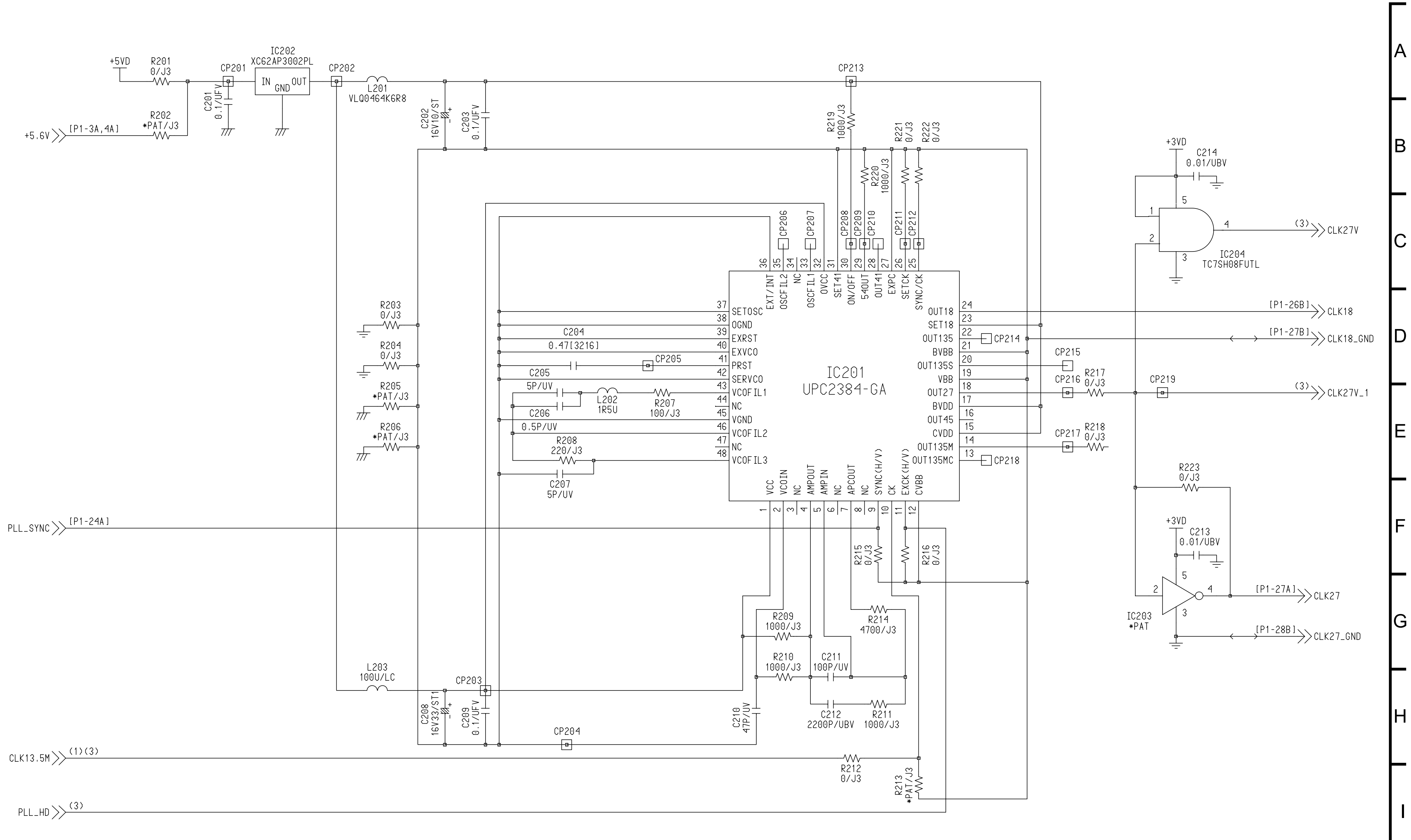
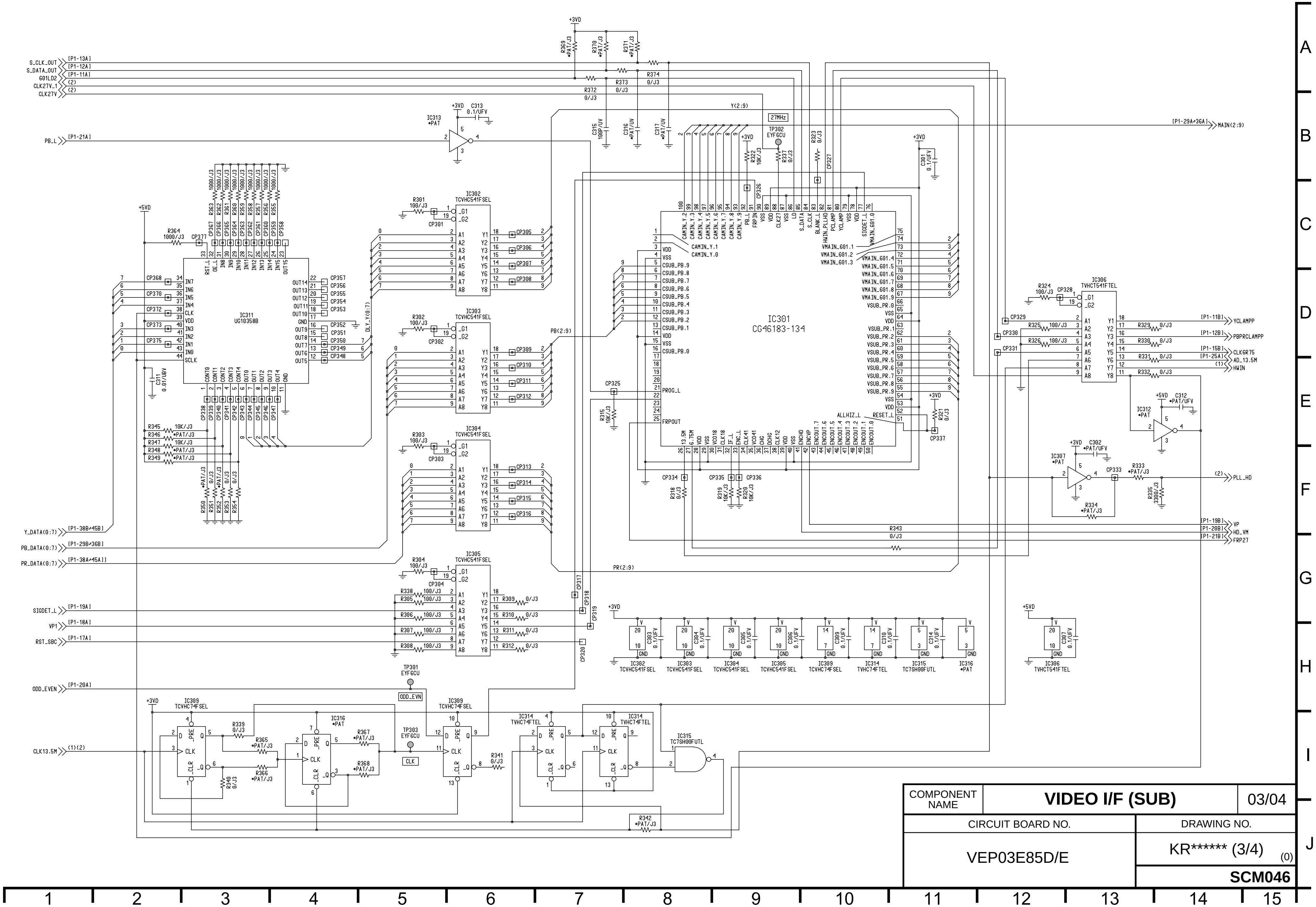
COMPONENT NAME	**VIDEO I/F (SUB)**	01/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E85D/E	KR****** (1/4) (0)	
	SCM044	


A
B
C
D
E
F
G
H
I
J
+5VD
R201
0/J3
CP201
IC202
XC62AP3002PL
IN
GND
OUT
CP202
L201
VLQ0464K6R8
C201
0.1/UFV
R202
*PAT/J3
+5.6V
[P1-3A,4A]
C202
16V10/ST
C203
0.1/UFV
CP213
R219
1000/J3
R221
0/J3
R222
0/J3
R220
1000/J3
CP206
CP207
CP208
CP209
CP210
CP211
CP212
+3VD
C214
0.01/UBV
IC204
TC7SH08FUTL
(3)
CLK27V
IC201
UPC2384-GA
EXT/INT
OSCFIL2
NC
OSCFIL1
OVCC
SET41
ON/OFF
540UT
OUT41
EXPC
SETCK
SYNC/CK
SETOSC
OGND
EXRST
EXVCO
PRST
SERVCO
VCOFIL1
NC
VGND
VCOFIL2
NC
VCOFIL3
OUT18
SET18
OUT135
BVBB
OUT135S
VBB
OUT27
BVDD
OUT45
CVDD
OUT135M
OUT135MC
VCC
VCOIN
NC
AMPOUT
AMPIN
NC
APCOUT
NC
SYNC(H/V)
CK
EXCK(H/V)
CVBB
[P1-26B]
CLK18
CP214
[P1-27B]
CLK18_GND
CP215
CP216
R217
0/J3
CP219
CLK27V_1
CP217
R218
0/J3
CP218
R203
0/J3
R204
0/J3
R205
*PAT/J3
R206
*PAT/J3
C204
0.47[3216]
CP205
C205
5P/UV
L202
1R5U
R207
100/J3
C206
0.5P/UV
R208
220/J3
C207
5P/UV
R223
0/J3
C213
0.01/UBV
[P1-27A]
CLK27
IC203
*PAT
[P1-28B]
CLK27_GND
PLL_SYNC
[P1-24A]
R215
0/J3
R216
0/J3
R209
1000/J3
R214
4700/J3
R210
1000/J3
C211
100P/UV
L203
100U/LC
CP203
C208
16V33/ST1
C209
0.1/UFV
C210
47P/UV
C212
2200P/UBV
R211
1000/J3
CP204
CLK13.5M
(1)(3)
R212
0/J3
R213
*PAT/J3
PLL_HD
(3)

COMPONENT NAME	VIDEO I/F (SUB)	02/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E85D/E	KR****** (2/4) (0)	
	SCM045	

= ANALOG GND

= DIGITAL GND



S_CLK_OUT
S_DATA_OUT
601LD2
CLK27V_1
CLK27V
PB_L
Y_DATA(0:7)
PB_DATA(0:7)
PR_DATA(0:7)
SIGDET_L
VP1
RST_SBC
ODD_EVEN
CLK13.5M
MAIN(2:9)
YCLAMPP
PBPRCLAMPP
CLK6R75
AD_13.5M
HWIN
PLL_HD
VP
HD_VM
FRP27
IC301
CG46183-134
IC302
TCVHC541FSEL
IC303
TCVHC541FSEL
IC304
TCVHC541FSEL
IC305
TCVHC541FSEL
IC306
TVHCT541FTEL
IC307
IC309
TCVHC74FSEL
IC311
UG10358B
IC312
IC313
IC314
TVHC74FTEL
IC315
TC7SH00FUTL
IC316
TP301
TP302
TP303
EYF6CU
27MHz
ODD_EVN
CLK
+3VD
+5VD
Y(2:9)
PB(2:9)
PR(2:9)
DLY_Y(0:7)
A
B
C
D
E
F
G
H
I
J
1
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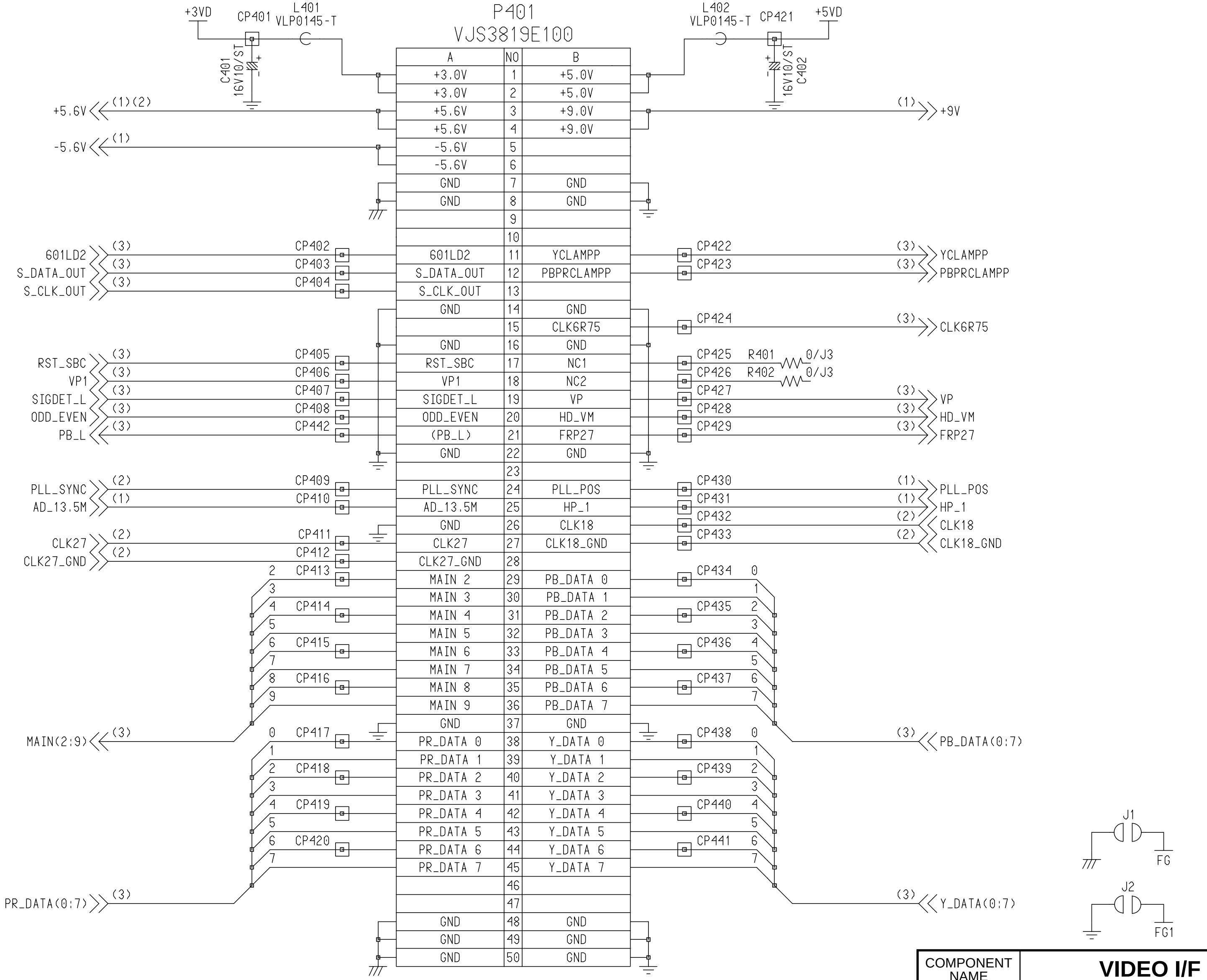
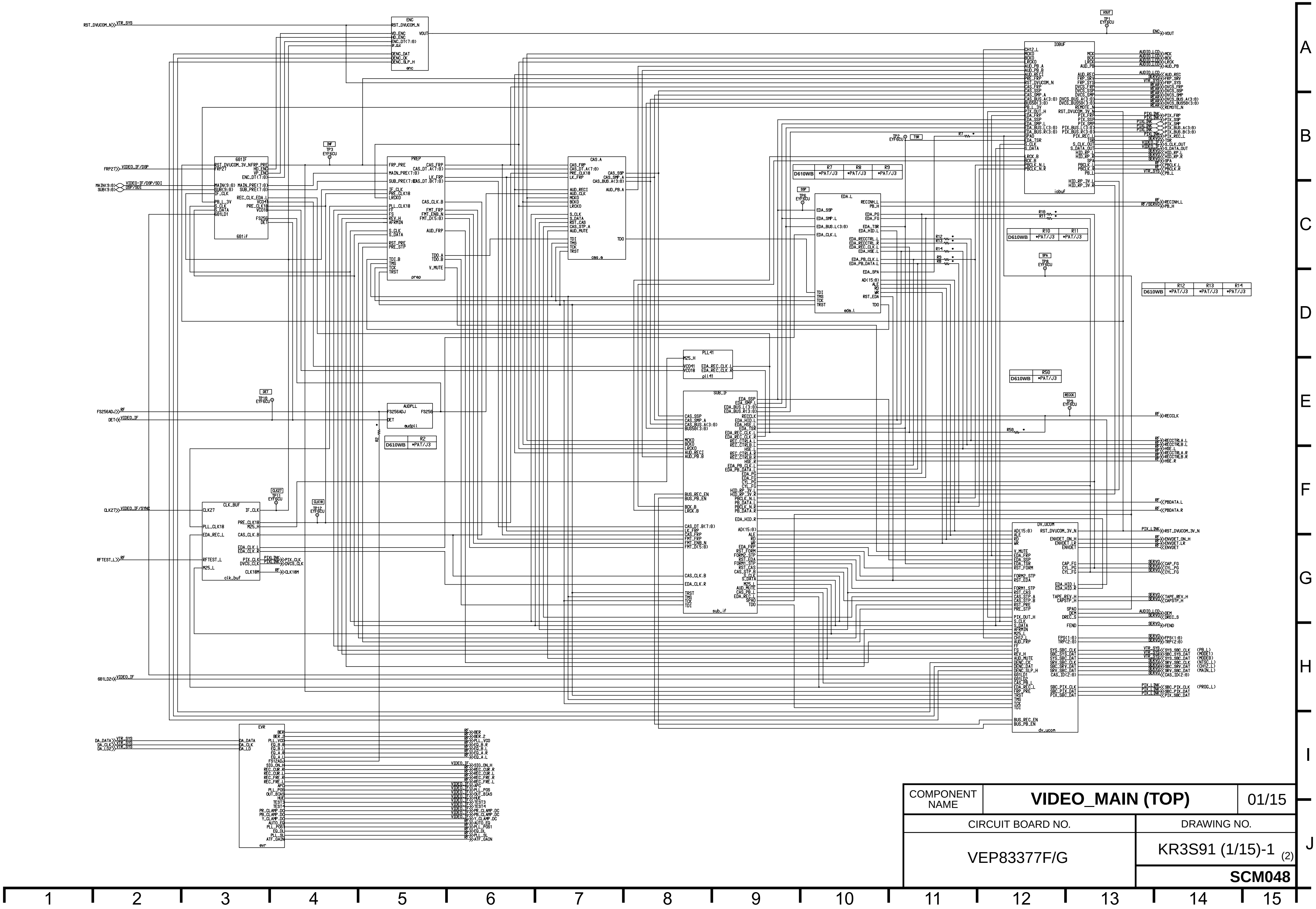
COMPONENT NAME	VIDEO I/F (SUB)		03/04
CIRCUIT BOARD NO.		DRAWING NO.	
VEP03E85D/E		KR****** (3/4) (0)	
		SCM046	

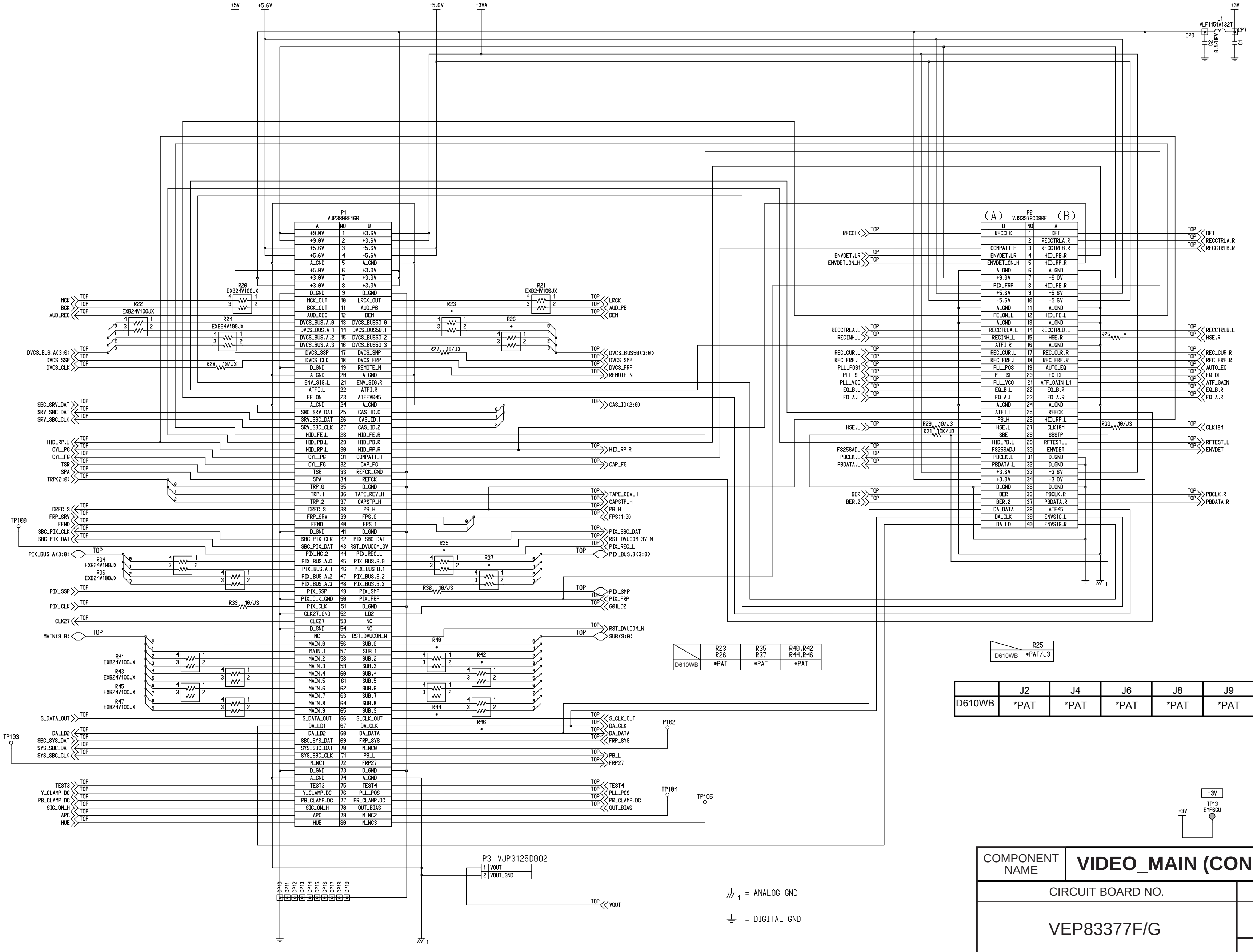

P401
VJS3819E100
+3VD
CP401
L401
VLP0145-T
C401
16V10/ST
L402
VLP0145-T
CP421
+5VD
C402
16V10/ST
A
NO
B
+3.0V 1 +5.0V
+3.0V 2 +5.0V
+5.6V 3 +9.0V
+5.6V 4 +9.0V
-5.6V 5
-5.6V 6
GND 7 GND
GND 8 GND
9
10
601LD2 11 YCLAMPP
S_DATA_OUT 12 PBPRCLAMPP
S_CLK_OUT 13
GND 14 GND
15 CLK6R75
GND 16 GND
RST_SBC 17 NC1
VP1 18 NC2
SIGDET_L 19 VP
ODD_EVEN 20 HD_VM
(PB_L) 21 FRP27
GND 22 GND
23
PLL_SYNC 24 PLL_POS
AD_13.5M 25 HP_1
GND 26 CLK18
CLK27 27 CLK18_GND
CLK27_GND 28
MAIN 2 29 PB_DATA 0
MAIN 3 30 PB_DATA 1
MAIN 4 31 PB_DATA 2
MAIN 5 32 PB_DATA 3
MAIN 6 33 PB_DATA 4
MAIN 7 34 PB_DATA 5
MAIN 8 35 PB_DATA 6
MAIN 9 36 PB_DATA 7
GND 37 GND
PR_DATA 0 38 Y_DATA 0
PR_DATA 1 39 Y_DATA 1
PR_DATA 2 40 Y_DATA 2
PR_DATA 3 41 Y_DATA 3
PR_DATA 4 42 Y_DATA 4
PR_DATA 5 43 Y_DATA 5
PR_DATA 6 44 Y_DATA 6
PR_DATA 7 45 Y_DATA 7
46
47
GND 48 GND
GND 49 GND
GND 50 GND
+5.6V (1)(2)
-5.6V (1)
+9V (1)
601LD2 (3) CP402
S_DATA_OUT (3) CP403
S_CLK_OUT (3) CP404
RST_SBC (3) CP405
VP1 (3) CP406
SIGDET_L (3) CP407
ODD_EVEN (3) CP408
PB_L (3) CP442
PLL_SYNC (2) CP409
AD_13.5M (1) CP410
CLK27 (2) CP411
CLK27_GND (2) CP412
CP413 CP414 CP415 CP416
MAIN(2:9) (3)
CP417 CP418 CP419 CP420
PR_DATA(0:7) (3)
CP422 (3) YCLAMPP
CP423 (3) PBPRCLAMPP
CP424 (3) CLK6R75
CP425 R401 0/J3
CP426 R402 0/J3
CP427 (3) VP
CP428 (3) HD_VM
CP429 (3) FRP27
CP430 (1) PLL_POS
CP431 (1) HP_1
CP432 (2) CLK18
CP433 (2) CLK18_GND
CP434 CP435 CP436 CP437
(3) PB_DATA(0:7)
CP438 CP439 CP440 CP441
(3) Y_DATA(0:7)
J1
FG
J2
FG1

COMPONENT NAME	**VIDEO I/F (SUB)**	04/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E85D/E	KR****** (4/4) (0)	
	SCM047	



ENC
IOBUF
681IF
PREP
CAS.A
EDA.L
PLL41
SUB_IF
AUDPLL
CLK_BUF
DV_UCOM
EVR
TP1 EYF6CU
TP2 EYF6CU
TP3 EYF6CU
TP6 EYF6CU
TP8 EYF6CU
TP9 EYF6CU
TP10 EYF6CU
TP11 EYF6CU
TP12 EYF6CU
VOUT
INF
TSR
SSP
SPA
RECCK
DET
CLK27
CLK18
D610WB R7 R8 R9 *PAT/J3 *PAT/J3 *PAT/J3
D610WB R10 R11 *PAT/J3 *PAT/J3
D610WB R12 R13 R14 *PAT/J3 *PAT/J3 *PAT/J3
D610WB R50 *PAT/J3
D610WB R2 *PAT/J3
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	VIDEO_MAIN (TOP)	01/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (1/15)-1 (2)	
	SCM048	

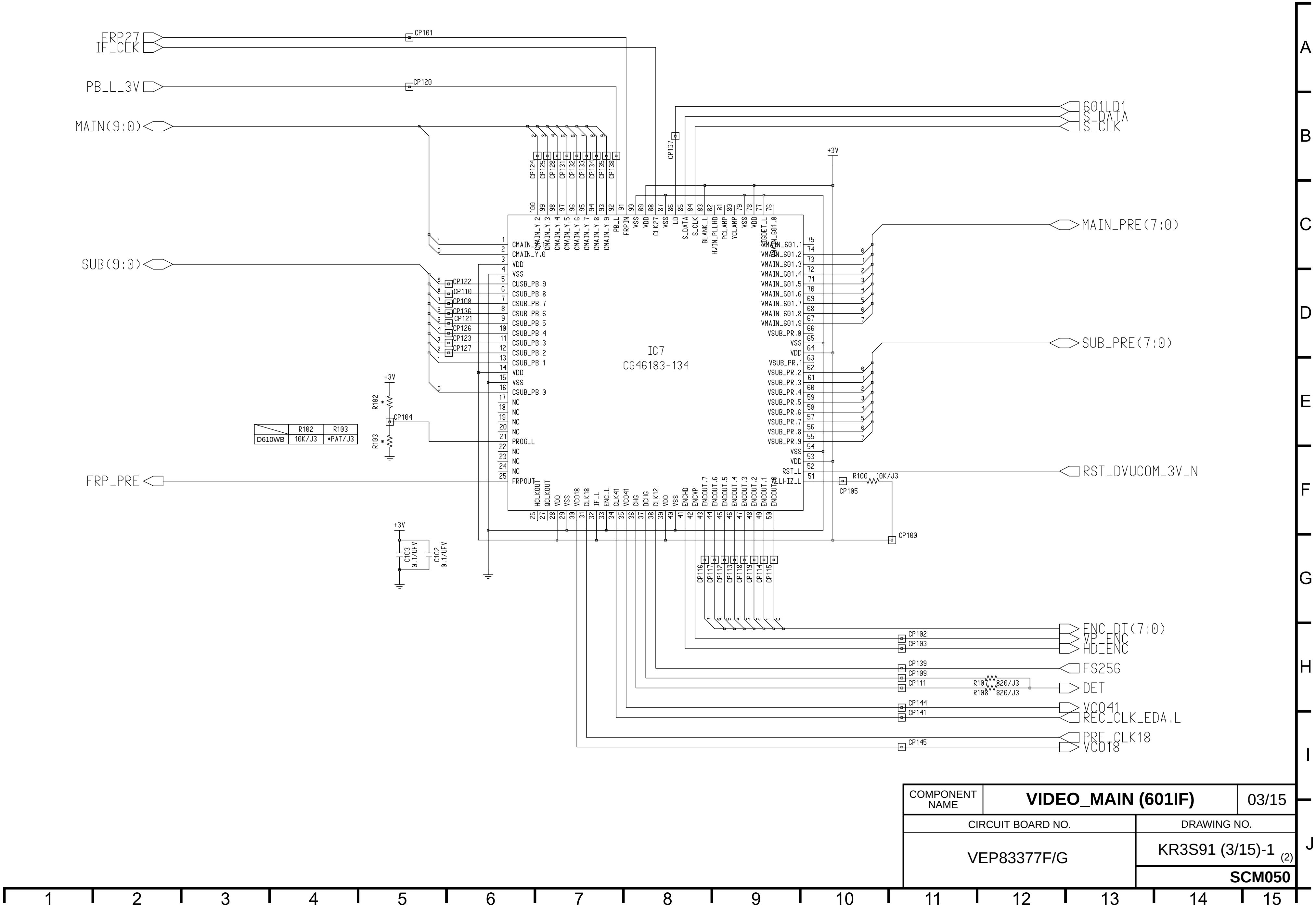

+5V
+5.6V
-5.6V
+3VA
+3V
P1
VJP3808E160
P2
VJS3978C080F
(A)
(B)
P3 VJP3125D002
1 VOUT
2 VOUT_GND
VOUT
L1
VLF1151A132T
CP3
CP7
TP100
TP102
TP103
TP104
TP105
TP13
EYF6CU
TG1
TG2
D_GND
A_GND
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
R31
R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R44
R45
R46
R47
EXB24V100JX
= ANALOG GND
= DIGITAL GND

D610WB	R23 R26	R35 R37	R40,R42 R44,R46
D610WB	*PAT	*PAT	*PAT

	R25
D610WB	*PAT/J3

	J2	J4	J6	J8	J9	J10
D610WB	*PAT	*PAT	*PAT	*PAT	*PAT	*PAT

COMPONENT NAME	VIDEO_MAIN (CONNECTOR)	02/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (2/15)-1 (2)	
	SCM049	


FRP27
IF_CLK
PB_L_3V
MAIN(9:0)
SUB(9:0)
FRP_PRE
601LD1
S_DATA
S_CLK
MAIN_PRE(7:0)
SUB_PRE(7:0)
RST_DVUCOM_3V_N
ENC_DI(7:0)
VP_ENC
HD_ENC
FS256
DET
VCO41
REC_CLK_EDA.L
PRE_CLK18
VCO18
IC7
CG46183-134
+3V
R102
R103
CP104
R100 10K/J3
CP105
CP100
R107 820/J3
R108 820/J3
C103 0.1/UFV
C102 0.1/UFV
CP101
CP120
CP137
CP124
CP125
CP128
CP131
CP132
CP133
CP134
CP135
CP138
CP122
CP110
CP108
CP136
CP121
CP126
CP123
CP127
CP116
CP117
CP112
CP113
CP118
CP119
CP114
CP115
CP102
CP103
CP139
CP109
CP111
CP144
CP141
CP145
CMAIN_Y.0
VDD
VSS
CSUB_PB.9
CSUB_PB.8
CSUB_PB.7
CSUB_PB.6
CSUB_PB.5
CSUB_PB.4
CSUB_PB.3
CSUB_PB.2
CSUB_PB.1
CSUB_PB.0
NC
PROG_L
FRPOUT
CMAIN_Y.2
CMAIN_Y.3
CMAIN_Y.4
CMAIN_Y.5
CMAIN_Y.6
CMAIN_Y.7
CMAIN_Y.8
CMAIN_Y.9
PB_L
FRPIN
CLK27
LD
S_DATA
S_CLK
BLANK_L
HWIN_PLLHD
PCLAMP
YCLAMP
SIGDET_L
VMAIN_601.0
VMAIN_601.1
VMAIN_601.2
VMAIN_601.3
VMAIN_601.4
VMAIN_601.5
VMAIN_601.6
VMAIN_601.7
VMAIN_601.8
VMAIN_601.9
VSUB_PR.0
VSUB_PR.1
VSUB_PR.2
VSUB_PR.3
VSUB_PR.4
VSUB_PR.5
VSUB_PR.6
VSUB_PR.7
VSUB_PR.8
VSUB_PR.9
RST_L
ALLHIZ_L
HCLKOUT
QCLKOUT
VCO18
CLK18
IF_L
ENC_L
CLK41
VCO41
CHG
DCHG
CLK12
ENCHD
ENCVP
ENCOUT.7
ENCOUT.6
ENCOUT.5
ENCOUT.4
ENCOUT.3
ENCOUT.2
ENCOUT.1
ENCOUT.0
A
B
C
D
E
F
G
H
I
J
1
2
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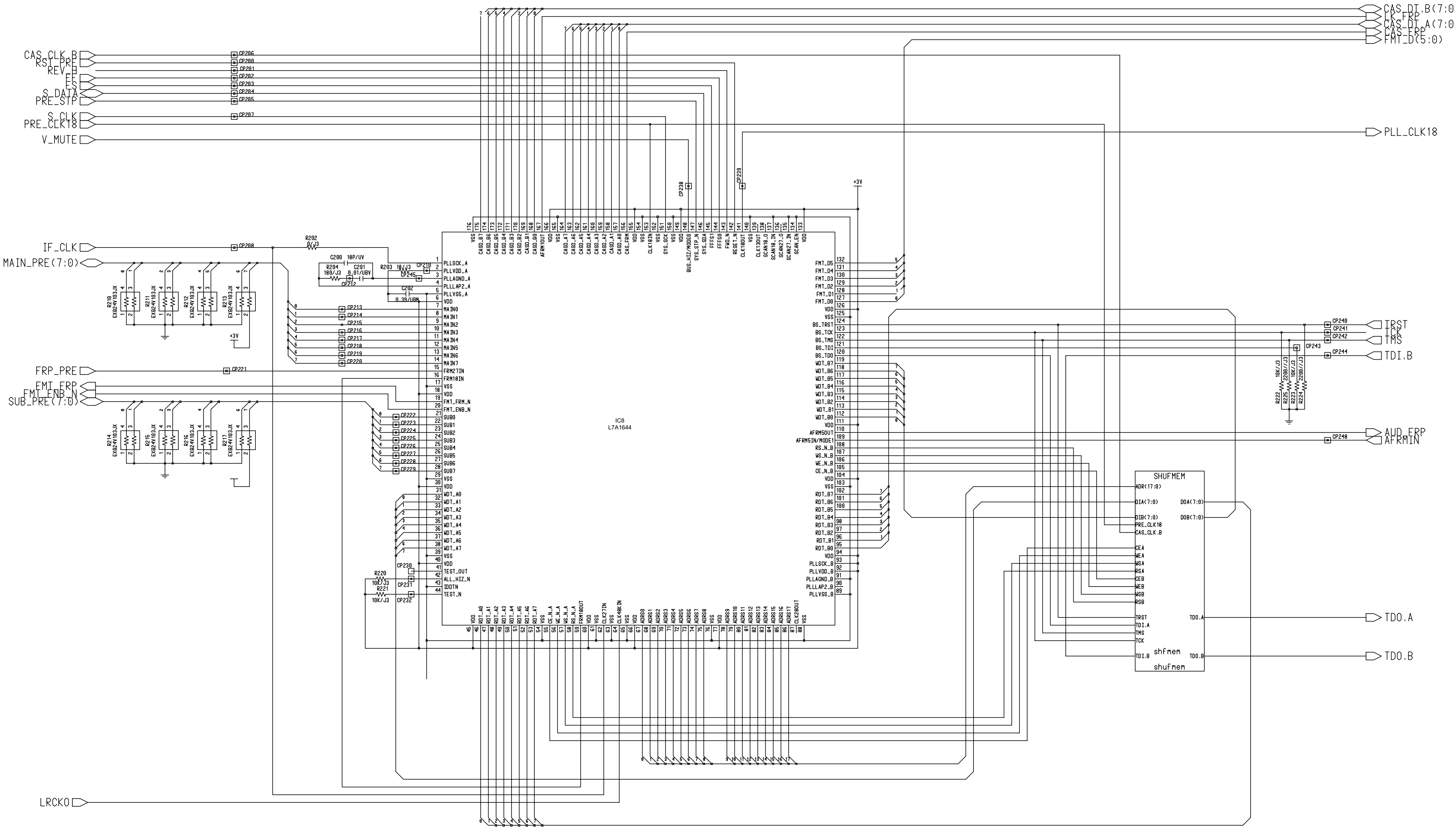
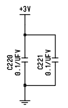
14
15

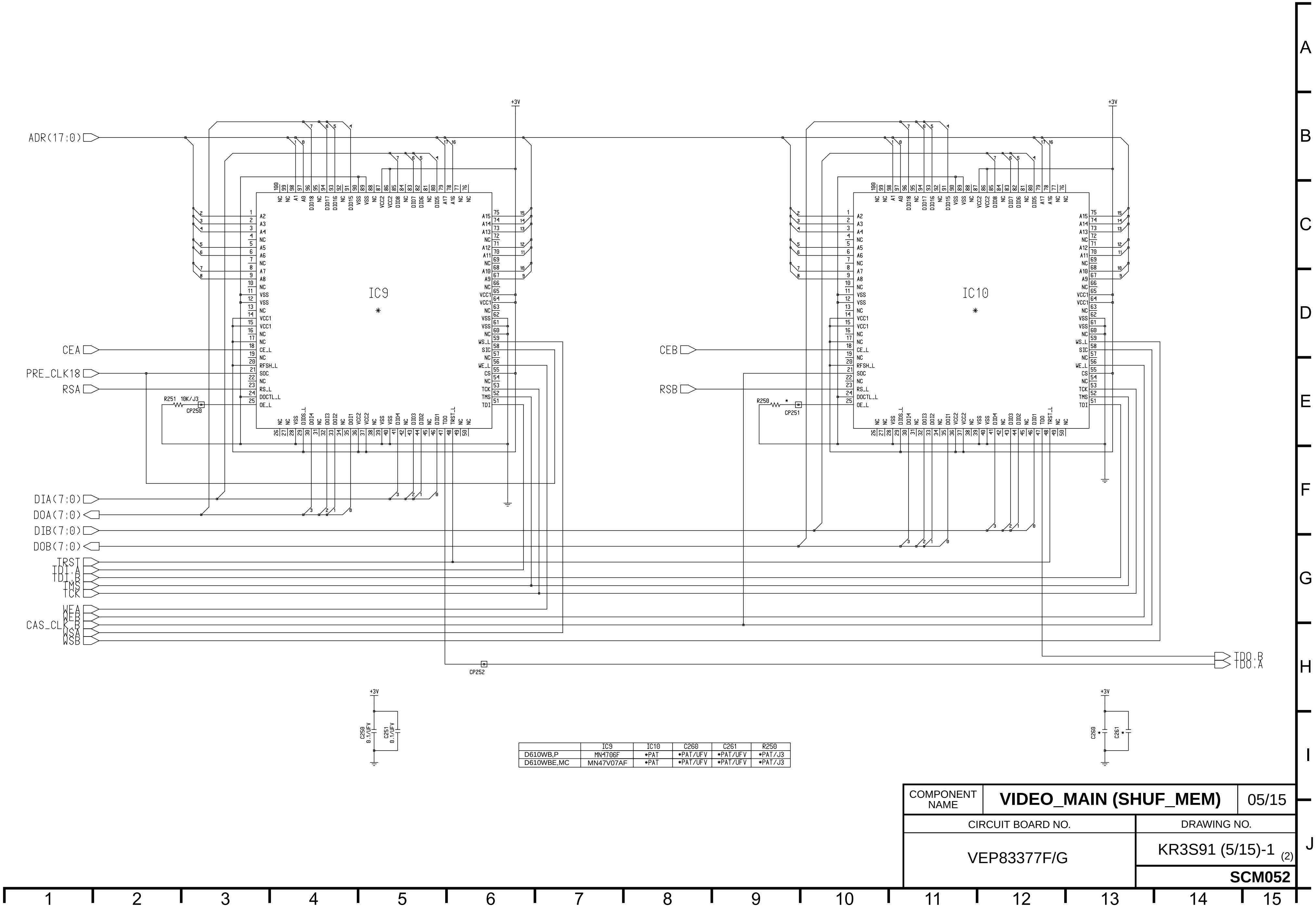
	R102	R103
D610WB	10K/J3	*PAT/J3

COMPONENT NAME	**VIDEO_MAIN (601IF)**	03/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP83377F/G		KR3S91 (3/15)-1 (2)
		SCM050


CAS_CLK_B
RST_PRE
REV_H
FF
FS
S_DATA
PRE_STP
S_CLK
PRE_CLK18
V_MUTE
IF_CLK
MAIN_PRE(7:0)
FRP_PRE
EMI_FRP
FMT_ENB_N
SUB_PRE(7:0)
LRCKO
CAS_DT_B(7:0)
CK_FRP
CAS_DT_A(7:0)
CAS_FRP
FMT_D(5:0)
PLL_CLK18
TRST
TCK
TMS
TDI.B
AUD_FRP
AFRMIN
TDO.A
TDO.B
IC8
L7A1644
SHUFMEM
shfmem
shufmem
R210 EXB24V103JX
R211 EXB24V103JX
R212 EXB24V103JX
R213 EXB24V103JX
R214 EXB24V103JX
R215 EXB24V103JX
R216 EXB24V103JX
R217 EXB24V103JX
R202 8/J3
C200 18P/UV
R204 180/J3
C201 0.01/UBV
R203 18/J3
C202 0.39/UBM
R220 10K/J3
R221 10K/J3
R222 10K/J3
R225 2200/J3
R223 10K/J3
R224 2200/J3
+3V


+3V
C220 0.1/UFV
C221 0.1/UFV

COMPONENT NAME	VIDEO_MAIN (PREP)	04/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (47/15)-1$_{(2)}$	
	SCM051	


ADR(17:0)
CEA
PRE_CLK18
RSA
R251 10K/J3
CP250
IC9
DIA(7:0)
DOA(7:0)
DIB(7:0)
DOB(7:0)
TRST
TDI.A
TDI.B
TMS
TCK
WEA
WEB
CAS_CLK.B
WSA
WSB
CEB
RSB
R250
CP251
IC10
CP252
TDO.B
TDO.A
+3V
C250 0.1/UFV
C251 0.1/UFV
C260
C261
A2
A3
A4
NC
A5
A6
A7
A8
VSS
VCC1
CE_L
RFSH_L
SOC
RS_L
DOCTL_L
OE_L
A15
A14
A13
A12
A11
A10
A9
WS_L
SIC
WE_L
CS
TCK
TMS
TDI
DIO5_L
DIO4
DIO3
DIO2
DIO1
DIO18
DIO17
DIO16
DIO15
VCC2
DIO8
DIO7
DIO6
DIO5
A17
A16
A1
A0
TDO
TRST_L
A
B
C
D
E
F
G
H
I
J
1
2
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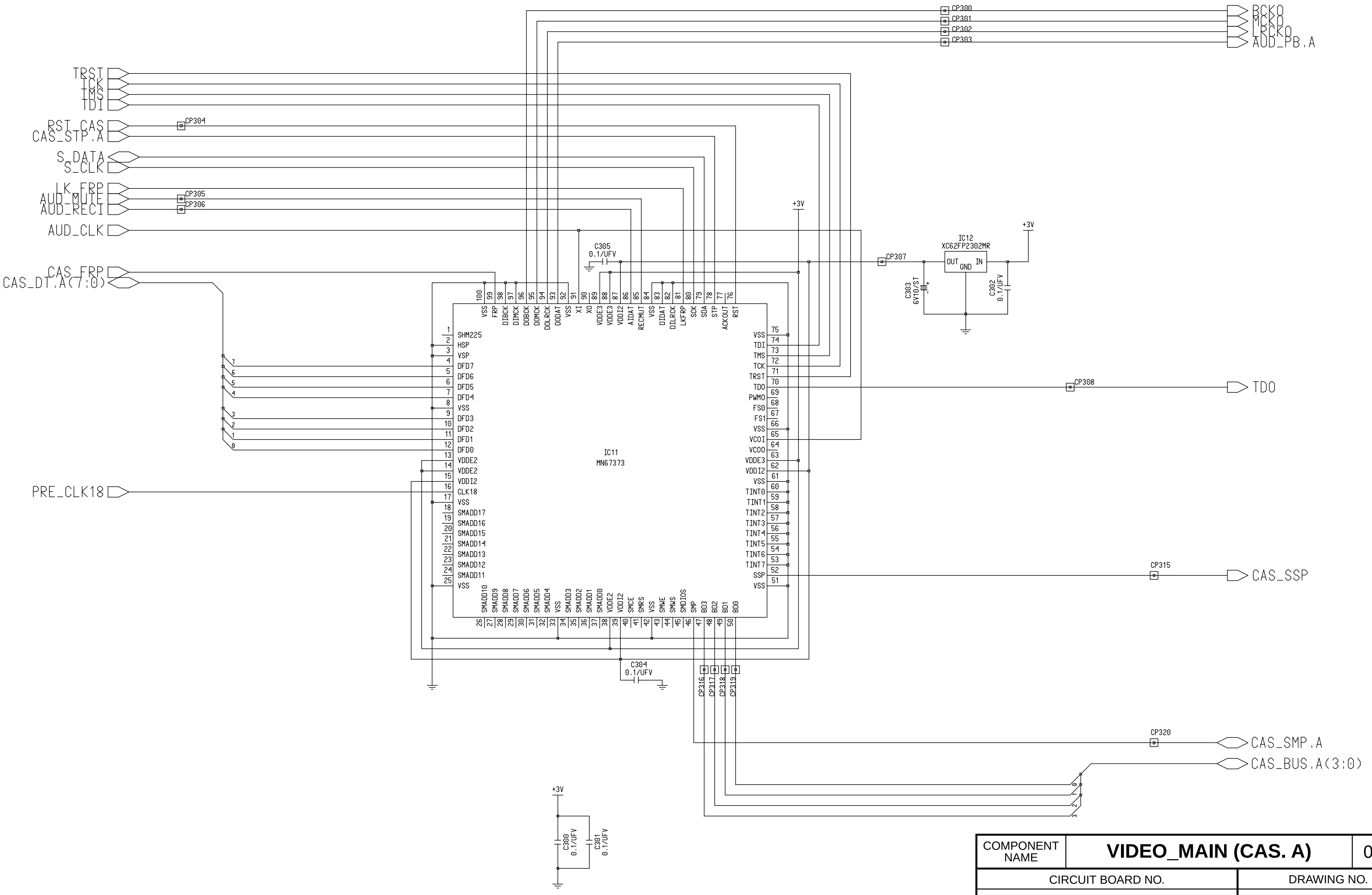
14
15

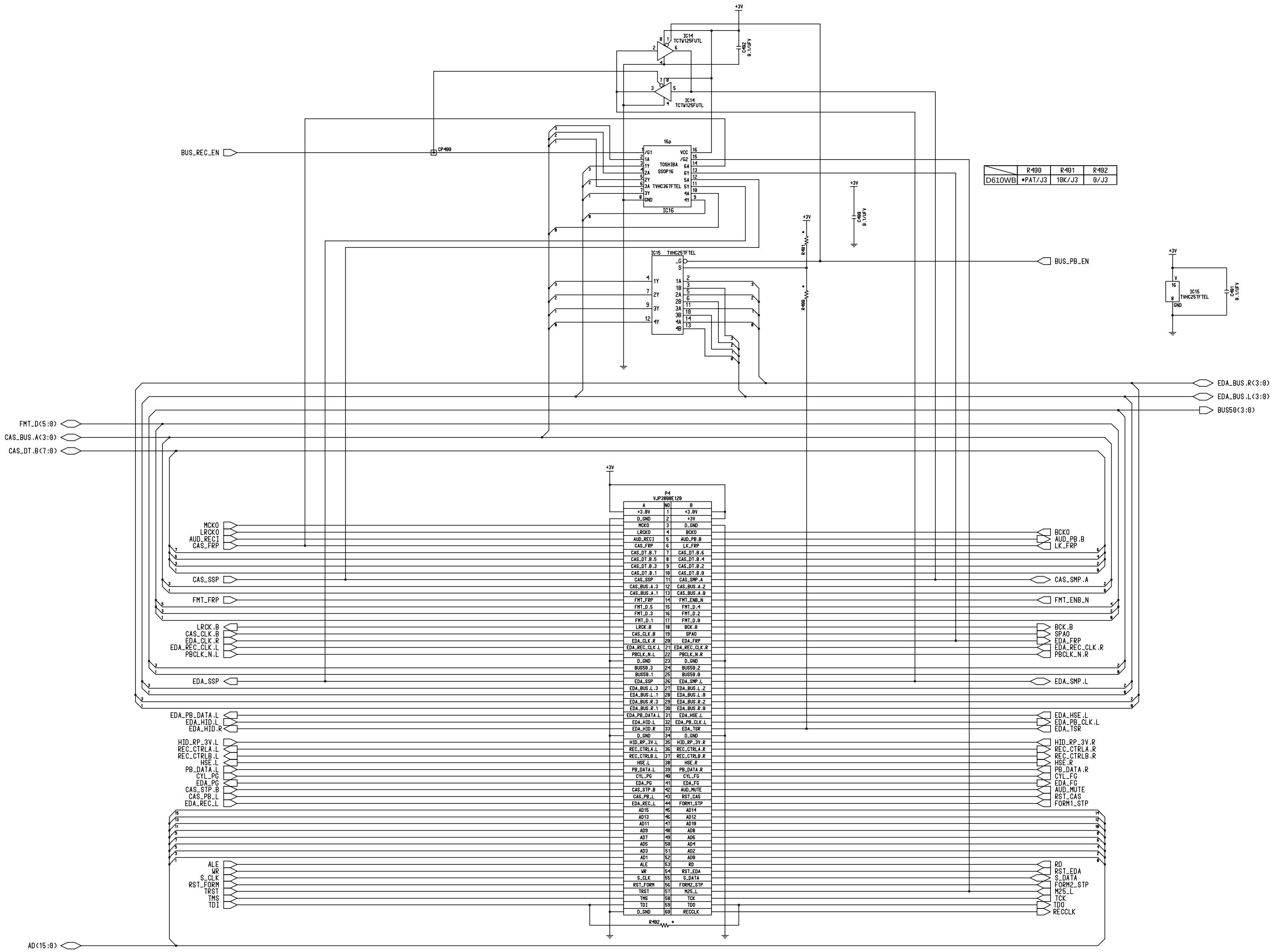
	IC9	IC10	C260	C261	R250
D610WB,P	MN4706F	✱PAT	✱PAT/UFV	✱PAT/UFV	✱PAT/J3
D610WBE,MC	MN47V07AF	✱PAT	✱PAT/UFV	✱PAT/UFV	✱PAT/J3

COMPONENT NAME	VIDEO_MAIN (SHUF_MEM)	05/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (5/15)-1 (2)	
	SCM052	


BCKO
MCKO
LRCKO
AUD_PB.A
CP300
CP301
CP302
CP303
TRST
TCK
TMS
TDI
RST_CAS
CAS_STP.A
CP304
S_DATA
S_CLK
LK_FRP
AUD_MUTE
AUD_RECI
CP305
CP306
AUD_CLK
CAS_FRP
CAS_DT.A(7:0)
PRE_CLK18
C305
0.1/UFV
+3V
IC12
XC62FP2302MR
OUT
IN
GND
CP307
C303
6V10/ST
C302
0.1/UFV
IC11
MN67373
CP308
TDO
CP315
CAS_SSP
C304
0.1/UFV
CP316
CP317
CP318
CP319
CP320
CAS_SMP.A
CAS_BUS.A(3:0)
C300
0.1/UFV
C301
0.1/UFV

COMPONENT NAME	VIDEO_MAIN (CAS. A)	06/15

CIRCUIT BOARD NO.	DRAWING NO.
VEP83377F/G	KR3S91 (6/15)-1 (2)
	SCM053

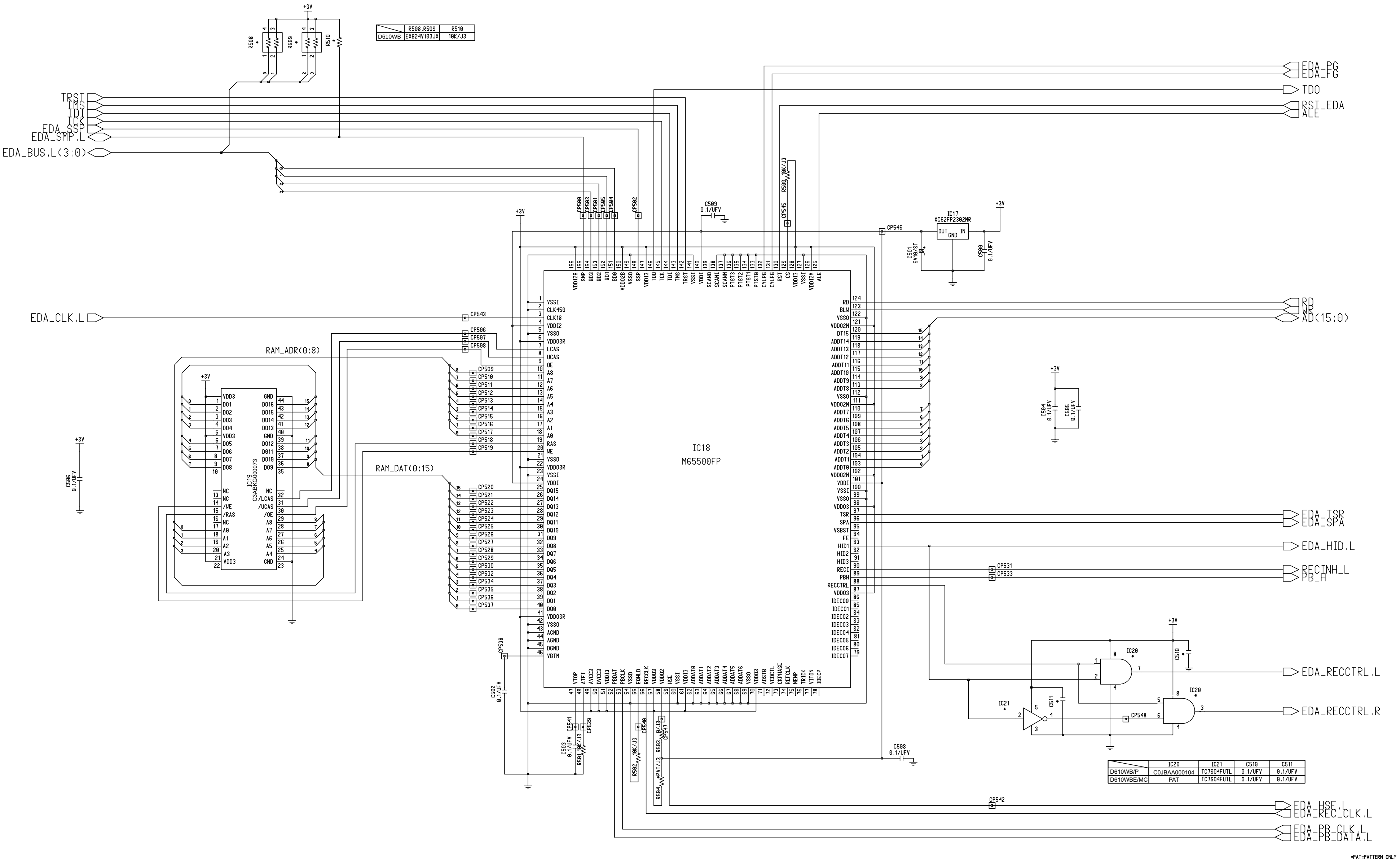

+3V
IC14
TC7W125FUTL
C402
0.1/UFV
16p
IC16
TOSHIBA
SSOP16
TVHC367FTEL
/G1
1A
1Y
2A
2Y
3A
3Y
GND
VCC
/G2
6A
6Y
5A
5Y
4A
4Y
CP400
BUS_REC_EN
IC15 TVHC257FTEL
_G
S
1Y
2Y
3Y
4Y
1A
1B
2A
2B
3A
3B
4A
4B
R401
R400
C400
0.1/UFV
BUS_PB_EN
IC15
TVHC257FTEL
GND
C401
0.1/UFV
EDA_BUS.R(3:0)
EDA_BUS.L(3:0)
BUS50(3:0)
FMT_D(5:0)
CAS_BUS.A(3:0)
CAS_DT.B(7:0)
P4
VJP3808E120
MCKO
LRCKO
AUD_RECI
CAS_FRP
CAS_SSP
FMT_FRP
LRCK.B
CAS_CLK.B
EDA_CLK.R
EDA_REC_CLK.L
PBCLK_N.L
EDA_SSP
EDA_PB_DATA.L
EDA_HID.L
EDA_HID.R
HID_RP_3V.L
REC_CTRLA.L
REC_CTRLB.L
HSE.L
PB_DATA.L
CYL_PG
EDA_PG
CAS_STP.B
CAS_PB_L
EDA_REC_L
ALE
WR
S_CLK
RST_FORM
TRST
TMS
TDI
AD(15:0)
BCKO
AUD_PB.B
LK_FRP
CAS_SMP.A
FMT_ENB_N
BCK.B
SPAO
EDA_FRP
EDA_REC_CLK.R
PBCLK_N.R
EDA_SMP.L
EDA_HSE.L
EDA_PB_CLK.L
EDA_TSR
HID_RP_3V.R
REC_CTRLA.R
REC_CTRLB.R
HSE.R
PB_DATA.R
CYL_FG
EDA_FG
AUD_MUTE
RST_CAS
FORM1_STP
RD
RST_EDA
S_DATA
FORM2_STP
M25_L
TCK
TDO
RECCLK
R402

P4
VJP3808E120

A	NO	B
+3.0V	1	+3.0V
D_GND	2	+3V
MCKO	3	D_GND
LRCKO	4	BCKO
AUD_RECI	5	AUD_PB.B
CAS_FRP	6	LK_FRP
CAS_DT.B.7	7	CAS_DT.B.6
CAS_DT.B.5	8	CAS_DT.B.4
CAS_DT.B.3	9	CAS_DT.B.2
CAS_DT.B.1	10	CAS_DT.B.0
CAS_SSP	11	CAS_SMP.A
CAS_BUS.A.3	12	CAS_BUS.A.2
CAS_BUS.A.1	13	CAS_BUS.A.0
FMT_FRP	14	FMT_ENB_N
FMT_D.5	15	FMT_D.4
FMT_D.3	16	FMT_D.2
FMT_D.1	17	FMT_D.0
LRCK.B	18	BCK.B
CAS_CLK.B	19	SPAO
EDA_CLK.R	20	EDA_FRP
EDA_REC_CLK.L	21	EDA_REC_CLK.R
PBCLK_N.L	22	PBCLK_N.R
D_GND	23	D_GND
BUS50.3	24	BUS50.2
BUS50.1	25	BUS50.0
EDA_SSP	26	EDA_SMP.L
EDA_BUS.L.3	27	EDA_BUS.L.2
EDA_BUS.L.1	28	EDA_BUS.L.0
EDA_BUS.R.3	29	EDA_BUS.R.2
EDA_BUS.R.1	30	EDA_BUS.R.0
EDA_PB_DATA.L	31	EDA_HSE.L
EDA_HID.L	32	EDA_PB_CLK.L
EDA_HID.R	33	EDA_TSR
D_GND	34	D_GND
HID_RP_3V.L	35	HID_RP_3V.R
REC_CTRLA.L	36	REC_CTRLA.R
REC_CTRLB.L	37	REC_CTRLB.R
HSE.L	38	HSE.R
PB_DATA.L	39	PB_DATA.R
CYL_PG	40	CYL_FG
EDA_PG	41	EDA_FG
CAS_STP.B	42	AUD_MUTE
CAS_PB_L	43	RST_CAS
EDA_REC_L	44	FORM1_STP
AD15	45	AD14
AD13	46	AD12
AD11	47	AD10
AD9	48	AD8
AD7	49	AD6
AD5	50	AD4
AD3	51	AD2
AD1	52	AD0
ALE	53	RD
WR	54	RST_EDA
S_CLK	55	S_DATA
RST_FORM	56	FORM2_STP
TRST	57	M25_L
TMS	58	TCK
TDI	59	TDO
D_GND	60	RECCLK

	R400	R401	R402
D610WB	*PAT/J3	10K/J3	0/J3

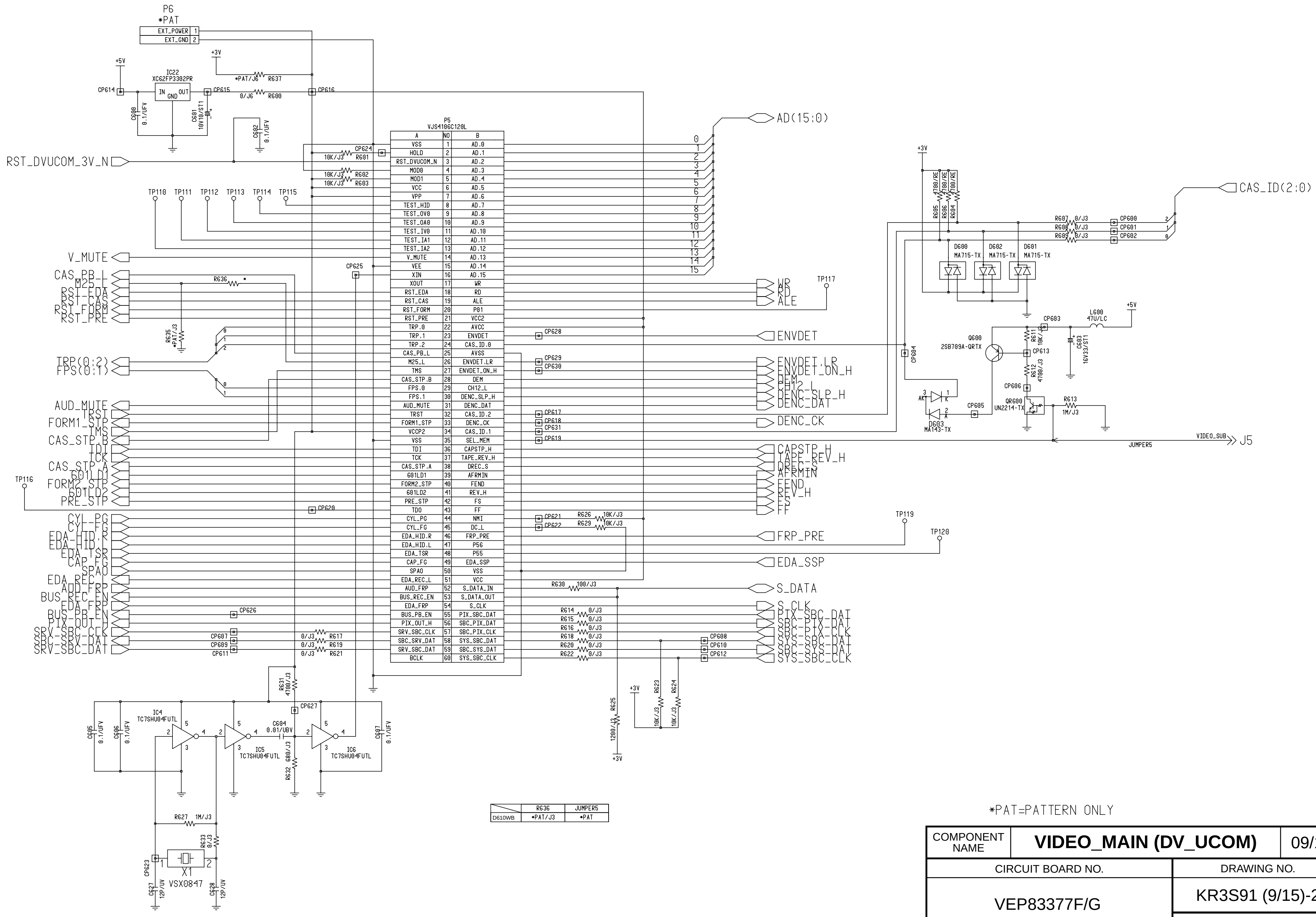
COMPONENT NAME	VIDEO_MAIN (SUB_IF)	07/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (7/15)-1 (2)	
	SCM054	


TRST
TMS
TDI
TCK
EDA_SSP
EDA_SMP.L
EDA_BUS.L(3:0)
EDA_CLK.L
RAM_ADR(0:8)
RAM_DAT(0:15)
IC19
C3ABKG000073
IC18
M65500FP
IC17
XC62FP3302MR
IC20
IC21
EDA_PG
EDA_FG
TDO
RSI_EDA
ALE
RD
WR
AD(15:0)
EDA_TSR
EDA_SPA
EDA_HID.L
RECINH_L
PB_H
EDA_RECCTRL.L
EDA_RECCTRL.R
EDA_HSE.L
EDA_REC_CLK.L
EDA_PB_CLK.L
EDA_PB_DATA.L
+3V
*PAT=PATTERN ONLY

	R508,R509	R510
D610WB	EXB24V103JX	10K/J3

	IC20	IC21	C510	C511
D610WB/P	C0JBAA000104	TC7S04FUTL	0.1/UFV	0.1/UFV
D610WBE/MC	PAT	TC7S04FUTL	0.1/UFV	0.1/UFV

COMPONENT NAME	VIDEO_MAIN (EDA. L)	08/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (8/15)-1 (2)	
	SCM055	

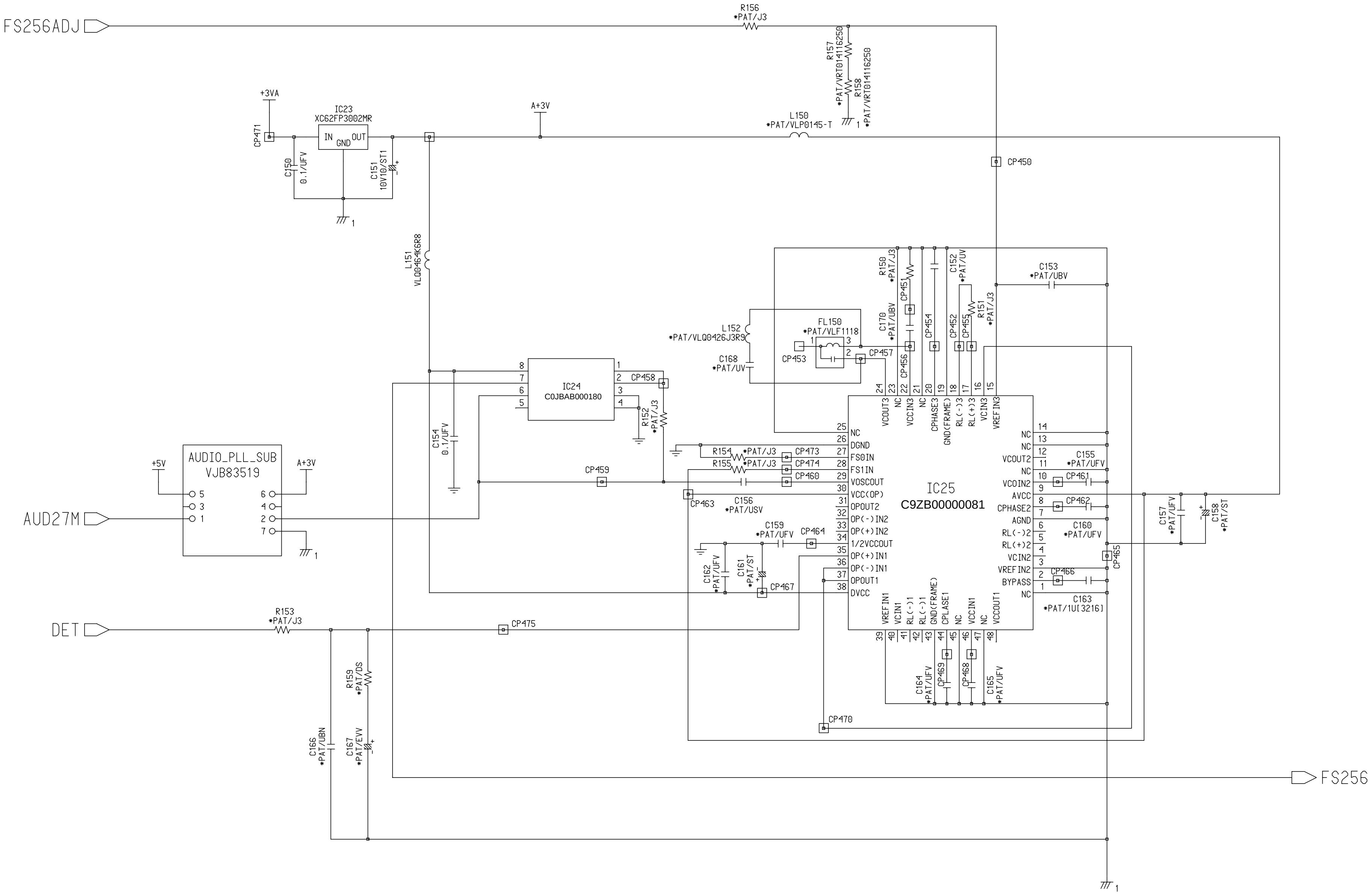

P6
*PAT
EXT_POWER 1
EXT_GND 2
+5V
+3V
IC22
XC62FP3302PR
IN OUT GND
CP614
CP615
CP616
*PAT/J6 R637
0/J6 R600
C600 0.1/UFV
C601 10V10/ST1
C602 0.1/UFV
P5
VJS4106C120L
RST_DVUCOM_3V_N
CP624
10K/J3 R601
10K/J3 R602
10K/J3 R603
TP110
TP111
TP112
TP113
TP114
TP115
V_MUTE
CAS_PB_L
M25_L
RST_EDA
RST_CAS
RST_FORM
RST_PRE
R636 *
R635 *PAT/J3
TRP(0:2)
FPS(0:1)
AUD_MUTE
TRST
FORM1_STP
TMS
CAS_STP_B
TDI
TCK
CAS_STP_A
601LD1
FORM2_STP
601LD2
PRE_STP
TP116
CYL_PG
CYL_FG
EDA_HID_R
EDA_HID_L
EDA_TSR
CAP_FG
SPAO
EDA_REC_L
AUD_FRP
BUS_REC_EN
EDA_FRP
BUS_PB_EN
PIX_OUT_H
SRV_SBC_CLK
SBC_SRV_DAT
SRV_SBC_DAT
CP625
CP620
CP626
CP607
CP609
CP611
0/J3 R617
0/J3 R619
0/J3 R621
AD(15:0)
WR
RD
ALE
TP117
ENVDET
ENVDET_LR
ENVDET_ON_H
DEM
CH12_L
DENC_SLP_H
DENC_DAT
DENC_CK
CAPSTP_H
TAPE_REV_H
DREC_S
AFRMIN
FEND
REV_H
FS
FF
FRP_PRE
EDA_SSP
S_DATA
S_CLK
PIX_SBC_DAT
SBC_PIX_DAT
SBC_PIX_CLK
SYS_SBC_DAT
SBC_SYS_DAT
SYS_SBC_CLK
TP119
TP120
CP628
CP629
CP630
CP617
CP618
CP631
CP619
CP621
CP622
R626 10K/J3
R629 0K/J3
R630 100/J3
R614 0/J3
R615 0/J3
R616 0/J3
R618 0/J3
R620 0/J3
R622 0/J3
CP608
CP610
CP612
R623 10K/J3
R624 10K/J3
R625 1200/J3
CAS_ID(2:0)
R605 4700/RE
R606 4700/RE
R604 4700/RE
R607 0/J3
R608 0/J3
R609 0/J3
CP600
CP601
CP602
D600 MA715-TX
D602 MA715-TX
D601 MA715-TX
CP603
L600 47U/LC
Q600 2SB709A-QRTX
R611 10K/J3
CP613
C603 16V33/ST1
CP604
R612 4700/J3
CP606
CP605
QR600 UN2214-TX
R613 1M/J3
D603 MA143-TX
VIDEO_SUB
JUMPER5
J5
IC4 TC7SHU04FUTL
IC5 TC7SHU04FUTL
IC6 TC7SHU04FUTL
C604 0.01/UBV
CP627
R631 4700/J3
R632 680/J3
C605 0.1/UFV
C606 0.1/UFV
C607 0.1/UFV
R627 1M/J3
R633 0/J3
X1 VSX0847
CP623
C627 12P/UV
C628 12P/UV

A	NO	B
VSS	1	AD.0
HOLD	2	AD.1
RST_DVUCOM_N	3	AD.2
MOD0	4	AD.3
MOD1	5	AD.4
VCC	6	AD.5
VPP	7	AD.6
TEST_HID	8	AD.7
TEST_OV0	9	AD.8
TEST_OA0	10	AD.9
TEST_IV0	11	AD.10
TEST_IA1	12	AD.11
TEST_IA2	13	AD.12
V_MUTE	14	AD.13
VEE	15	AD.14
XIN	16	AD.15
XOUT	17	WR
RST_EDA	18	RD
RST_CAS	19	ALE
RST_FORM	20	P01
RST_PRE	21	VCC2
TRP.0	22	AVCC
TRP.1	23	ENVDET
TRP.2	24	CAS_ID.0
CAS_PB_L	25	AVSS
M25_L	26	ENVDET_LR
TMS	27	ENVDET_ON_H
CAS_STP_B	28	DEM
FPS.0	29	CH12_L
FPS.1	30	DENC_SLP_H
AUD_MUTE	31	DENC_DAT
TRST	32	CAS_ID.2
FORM1_STP	33	DENC_CK
VCCP2	34	CAS_ID.1
VSS	35	SEL_MEM
TDI	36	CAPSTP_H
TCK	37	TAPE_REV_H
CAS_STP_A	38	DREC_S
601LD1	39	AFRMIN
FORM2_STP	40	FEND
601LD2	41	REV_H
PRE_STP	42	FS
TDO	43	FF
CYL_PG	44	NMI
CYL_FG	45	DC_L
EDA_HID_R	46	FRP_PRE
EDA_HID_L	47	P56
EDA_TSR	48	P55
CAP_FG	49	EDA_SSP
SPAO	50	VSS
EDA_REC_L	51	VCC
AUD_FRP	52	S_DATA_IN
BUS_REC_EN	53	S_DATA_OUT
EDA_FRP	54	S_CLK
BUS_PB_EN	55	PIX_SBC_DAT
PIX_OUT_H	56	SBC_PIX_DAT
SRV_SBC_CLK	57	SBC_PIX_CLK
SBC_SRV_DAT	58	SYS_SBC_DAT
SRV_SBC_DAT	59	SBC_SYS_DAT
BCLK	60	SYS_SBC_CLK

	R636	JUMPER5
D610WB	*PAT/J3	*PAT

*PAT=PATTERN ONLY

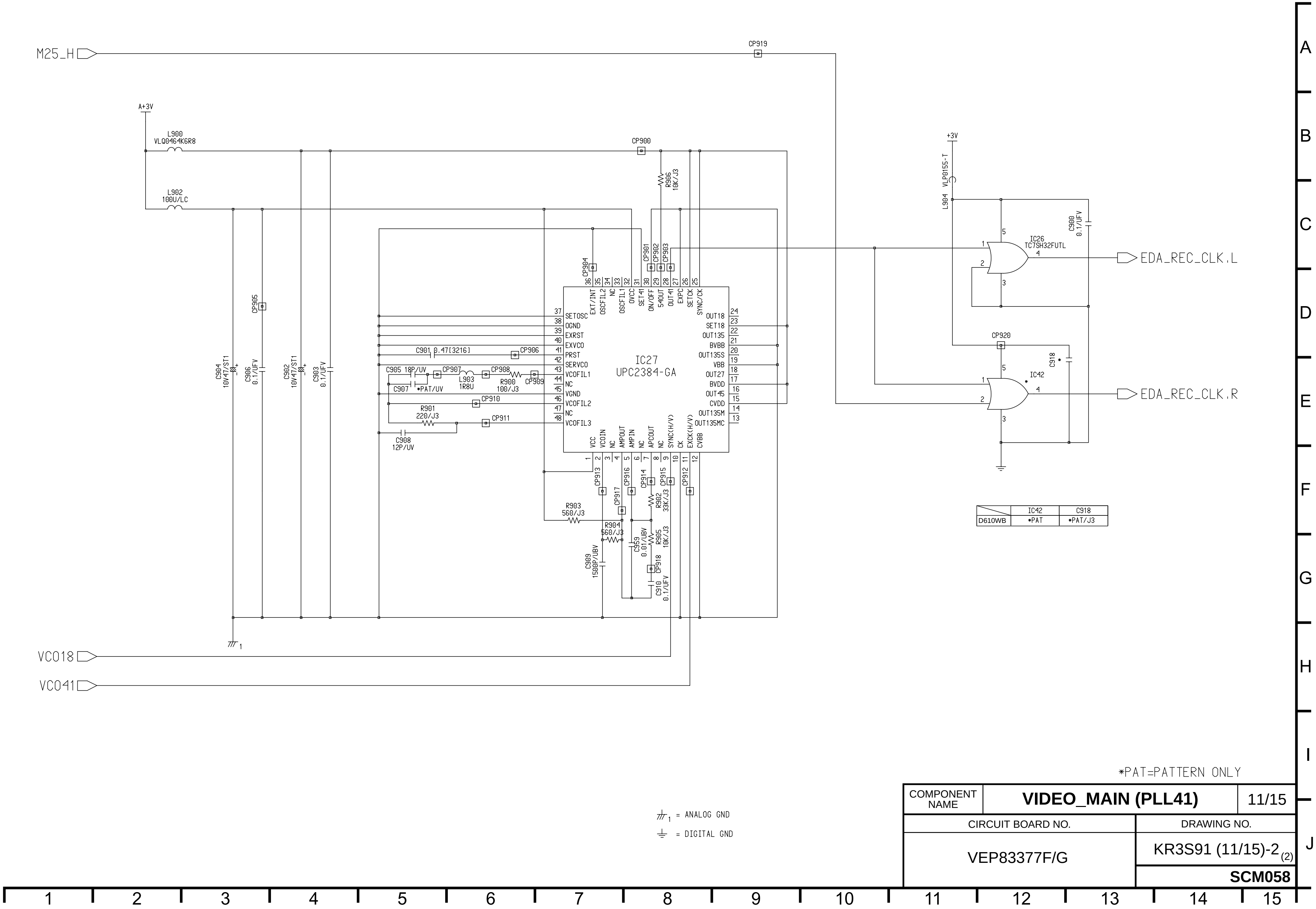
COMPONENT NAME	VIDEO_MAIN (DV_UCOM)	09/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (9/15)-2 (2)	
	SCM056	


FS256ADJ
R156 *PAT/J3
R157 *PAT/VRT0141I6250
R158 *PAT/VRT0141I6250
+3VA
IC23 XC62FP3002MR
IN OUT GND
CP471
C150 0.1/UFV
C151 10V10/ST1
A+3V
L150 *PAT/VLP0145-T
CP450
L151 VLQ0464K6R8
C153 *PAT/UBV
R150 *PAT/J3
CP451
C170 *PAT/UBV
C152 *PAT/UV
R151 *PAT/J3
CP454
CP452
CP455
CP456
L152 *PAT/VLQ0426J3R9
FL150 *PAT/VLF1118
CP453
CP457
C168 *PAT/UV
IC24 C0JBAB000180
CP458
R152 *PAT/J3
C154 0.1/UFV
AUDIO_PLL_SUB VJB83519
+5V
A+3V
AUD27M
CP459
R154 *PAT/J3
R155 *PAT/J3
CP473
CP474
CP460
CP463
C156 *PAT/USV
C159 *PAT/UFV
CP464
C162 *PAT/UFV
C161 *PAT/ST
CP467
IC25 C9ZB00000081
NC DGND FS0IN FS1IN VOSCOUT VCC(OP) OPOUT2 OP(-)IN2 OP(+)IN2 1/2VCCOUT OP(+)IN1 OP(-)IN1 OPOUT1 DVCC
VCOUT3 NC VCCIN3 NC CPHASE3 GND(FRAME) RL(-)3 RL(+)3 VCIN3 VREFIN3
NC NC VCOUT2 NC VCOIN2 AVCC CPHASE2 AGND RL(-)2 RL(+)2 VCIN2 VREFIN2 BYPASS NC
VREFIN1 VCIN1 RL(-)1 RL(+)1 GND(FRAME) CPLASE1 NC VCCIN1 NC VCCOUT1
C155 *PAT/UFV
CP461
CP462
C160 *PAT/UFV
CP465
CP466
C163 *PAT/1U[3216]
C157 *PAT/UFV
C158 *PAT/ST
C164 *PAT/UFV
CP469
CP468
C165 *PAT/UFV
CP470
DET
R153 *PAT/J3
CP475
R159 *PAT/DS
C166 *PAT/UBN
C167 *PAT/EVV
FS256

= ANALOG GND

= DIGITAL GND

COMPONENT NAME	VIDEO_MAIN (AUDIO_PLL)	10/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (10/15)-2(2)	
	SCM057	


M25_H
CP919
A+3V
L900
VLQ0464K6R8
CP900
R906
10K/J3
L902
100U/LC
CP901
CP902
CP903
CP904
CP905
C904
10V47/ST1
C906
0.1/UFV
C902
10V47/ST1
C903
0.1/UFV
IC27
UPC2384-GA
EXT/INT
OSCFIL2
NC
OSCFIL1
OVCC
SET41
ON/OFF
54OUT
OUT41
EXPC
SETCK
SYNC/CK
SETOSC
OGND
EXRST
EXVCO
PRST
SERVCO
VCOFIL1
NC
VGND
VCOFIL2
NC
VCOFIL3
OUT18
SET18
OUT135
BVBB
OUT135S
VBB
OUT27
BVDD
OUT45
CVDD
OUT135M
OUT135MC
VCC
VCOIN
NC
AMPOUT
AMPIN
NC
APCOUT
NC
SYNC(H/V)
CK
EXCK(H/V)
CVBB
C901 0.47[3216]
CP906
C905 18P/UV
CP907
L903
1R8U
CP908
R900
100/J3
CP909
C907
*PAT/UV
CP910
R901
220/J3
CP911
C908
12P/UV
CP913
CP916
CP917
CP914
CP915
CP912
R903
560/J3
R904
560/J3
R902
33K/J3
R905
10K/J3
C959
0.01/UBV
C909
1500P/UBV
CP918
C910
0.1/UFV
VCO18
VCO41
+3V
L904
VLP0155-T
C900
0.1/UFV
IC26
TC7SH32FUTL
EDA_REC_CLK.L
CP920
C918
IC42
EDA_REC_CLK.R
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

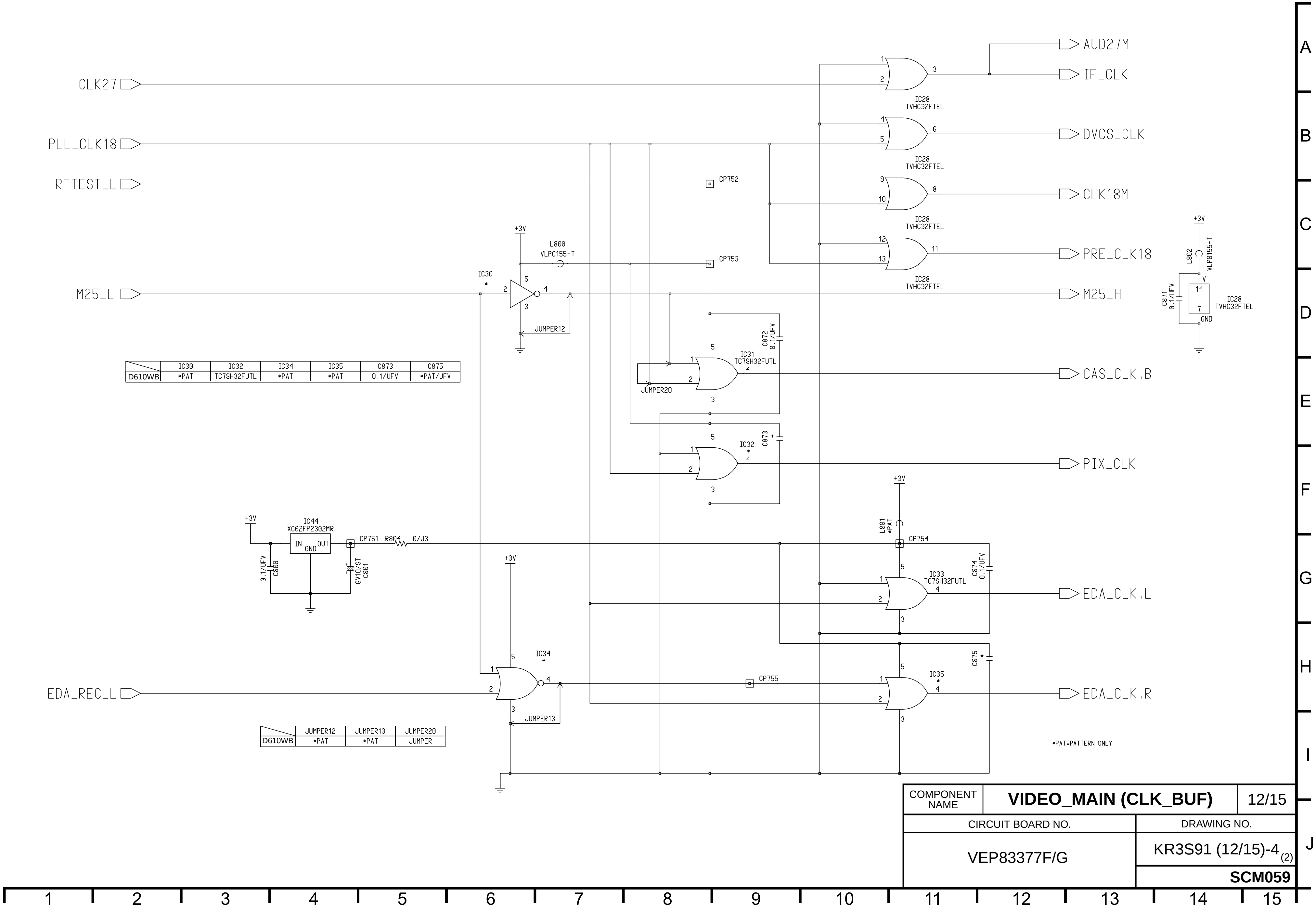
	IC42	C918
D610WB	*PAT	*PAT/J3

$\#_1$ = ANALOG GND

⏚ = DIGITAL GND

*PAT=PATTERN ONLY

COMPONENT NAME	**VIDEO_MAIN (PLL41)**	11/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (11/15)-2$_{(2)}$ **SCM058**	

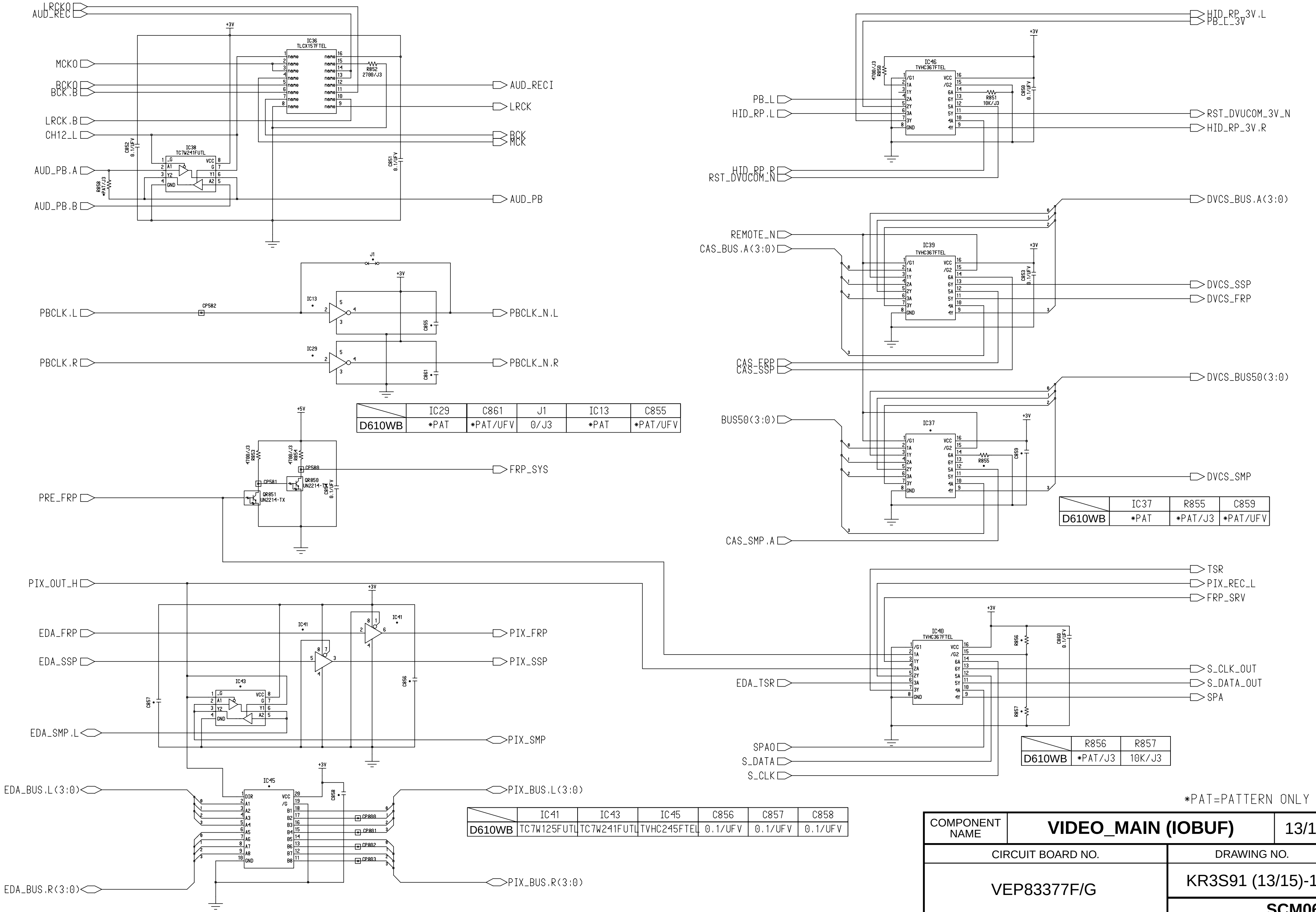

CLK27
PLL_CLK18
RFTEST_L
M25_L
EDA_REC_L
AUD27M
IF_CLK
DVCS_CLK
CLK18M
PRE_CLK18
M25_H
CAS_CLK.B
PIX_CLK
EDA_CLK.L
EDA_CLK.R
IC28
TVHC32FTEL
CP752
CP753
+3V
L800
VLP0155-T
IC30
*
JUMPER12
IC31
TC7SH32FUTL
C872
0.1/UFV
JUMPER20
IC32
C873
L802
C871
0.1/UFV
V
14
7
GND
IC44
XC62FP2302MR
IN
GND
OUT
CP751
R804
0/J3
C800
0.1/UFV
6V10/ST
C801
L801
*PAT
CP754
IC33
TC7SH32FUTL
C874
0.1/UFV
IC34
JUMPER13
CP755
IC35
C875
*PAT=PATTERN ONLY
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

	IC30	IC32	IC34	IC35	C873	C875
D610WB	*PAT	TC7SH32FUTL	*PAT	*PAT	0.1/UFV	*PAT/UFV

	JUMPER12	JUMPER13	JUMPER20
D610WB	*PAT	*PAT	JUMPER

*PAT=PATTERN ONLY

COMPONENT NAME	VIDEO_MAIN (CLK_BUF)	12/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (12/15)-4$_{(2)}$	
	SCM059	


LRCKO
AUD_REC
MCKO
BCKO
BCK.B
LRCK.B
CH12_L
AUD_PB.A
AUD_PB.B
IC36
TLCX157FTEL
R852
2700/J3
IC38
TC7W241FUTL
C851
C852
R858
AUD_RECI
LRCK
BCK
MCK
AUD_PB
PBCLK.L
PBCLK.R
J1
IC13
IC29
CP582
C855
C861
PBCLK_N.L
PBCLK_N.R
+3V
+5V
PRE_FRP
QR851
UN2214-TX
QR850
CP580
CP581
R853
R854
FRP_SYS
PIX_OUT_H
EDA_FRP
EDA_SSP
EDA_SMP.L
IC41
IC43
C856
C857
PIX_FRP
PIX_SSP
PIX_SMP
EDA_BUS.L(3:0)
EDA_BUS.R(3:0)
IC45
C858
CP800
CP801
CP802
CP803
PIX_BUS.L(3:0)
PIX_BUS.R(3:0)
HID_RP_3V.L
PB_L_3V
PB_L
HID_RP.L
IC46
TVHC367FTEL
R850
R851
10K/J3
C850
RST_DVUCOM_3V_N
HID_RP_3V.R
HID_RP.R
RST_DVUCOM_N
DVCS_BUS.A(3:0)
REMOTE_N
CAS_BUS.A(3:0)
IC39
C853
DVCS_SSP
DVCS_FRP
CAS_FRP
CAS_SSP
DVCS_BUS50(3:0)
BUS50(3:0)
IC37
R855
C859
DVCS_SMP
CAS_SMP.A
TSR
PIX_REC_L
FRP_SRV
IC40
R856
R857
C860
EDA_TSR
S_CLK_OUT
S_DATA_OUT
SPA
SPAO
S_DATA
S_CLK

	IC29	C861	J1	IC13	C855
D610WB	*PAT	*PAT/UFV	0/J3	*PAT	*PAT/UFV

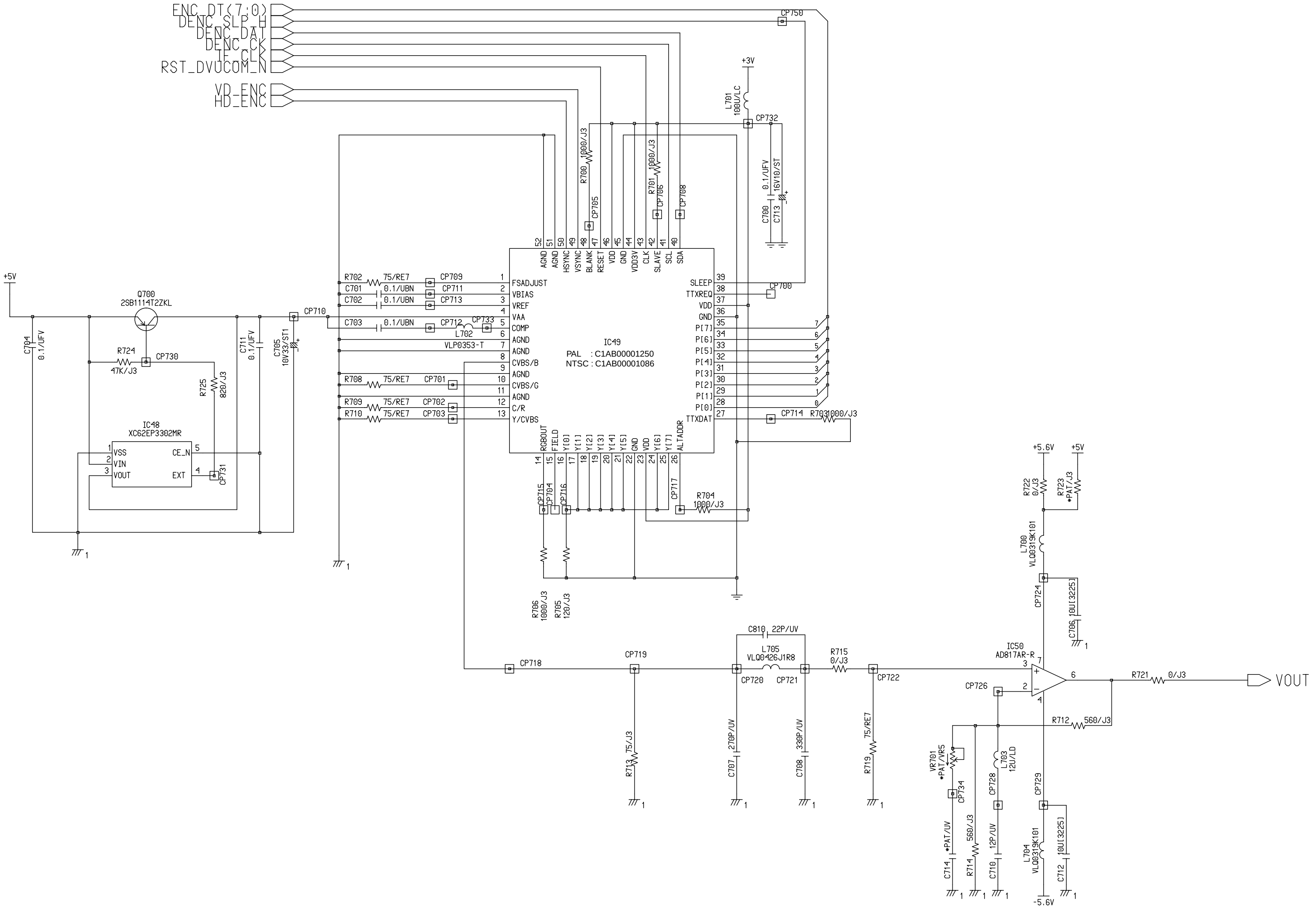
	IC37	R855	C859
D610WB	*PAT	*PAT/J3	*PAT/UFV

	R856	R857
D610WB	*PAT/J3	10K/J3

	IC41	IC43	IC45	C856	C857	C858
D610WB	TC7W125FUTL	TC7W241FUTL	TVHC245FTEL	0.1/UFV	0.1/UFV	0.1/UFV

*PAT=PATTERN ONLY

COMPONENT NAME	**VIDEO_MAIN (IOBUF)**	13/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (13/15)-1 (2)	
	SCM060	


ENC_DT(7:0)
DENC_SLP_H
DENC_DAT
DENC_CK
IF_CLK
RST_DVUCOM_N
VD_ENC
HD_ENC
CP750
+3V
L701 100U/LC
CP732
C700 0.1/UFV
C713 16V10/ST
R700 1000/J3
CP705
R701 1000/J3
CP706
CP708
+5V
Q700 2SB1114T2ZKL
C704 0.1/UFV
R724 47K/J3
CP730
R725 820/J3
C711 0.1/UFV
C705 10V33/ST1
CP710
IC48 XC62EP3302MR
VSS
VIN
VOUT
CE_N
EXT
CP731
R702 75/RE7 CP709
C701 0.1/UBN CP711
C702 0.1/UBN CP713
C703 0.1/UBN CP712
CP733
L702 VLP0353-T
R708 75/RE7 CP701
R709 75/RE7 CP702
R710 75/RE7 CP703
IC49
PAL : C1AB00001250
NTSC : C1AB00001086
FSADJUST
VBIAS
VREF
VAA
COMP
AGND
CVBS/B
CVBS/G
C/R
Y/CVBS
HSYNC
VSYNC
BLANK
RESET
VDD
GND
VDD3V
CLK
SLAVE
SCL
SDA
SLEEP
TTXREQ
P[7]
P[6]
P[5]
P[4]
P[3]
P[2]
P[1]
P[0]
TTXDAT
RGBOUT
FIELD
Y[0]
Y[1]
Y[2]
Y[3]
Y[4]
Y[5]
Y[6]
Y[7]
ALTADDR
CP700
CP714
R703 1000/J3
CP715
CP704
CP716
CP717
R704 1000/J3
R706 1000/J3
R705 120/J3
CP718
CP719
C810 22P/UV
L705 VLQ0426J1R8
CP720
CP721
R715 0/J3
CP722
R713 75/J3
C707 270P/UV
C708 330P/UV
R719 75/RE7
+5.6V
+5V
R722 0/J3
R723 ●PAT/J3
L700 VLQ0319K101
CP724
C706 10U(3225)
IC50 AD817AR-R
CP726
R721 0/J3
VOUT
R712 560/J3
VR701 ●PAT/VR5
L703 12U/LD
CP734
CP728
CP729
C714 ●PAT/UV
R714 560/J3
C710 12P/UV
L704 VLQ0319K101
C712 10U(3225)
-5.6V
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
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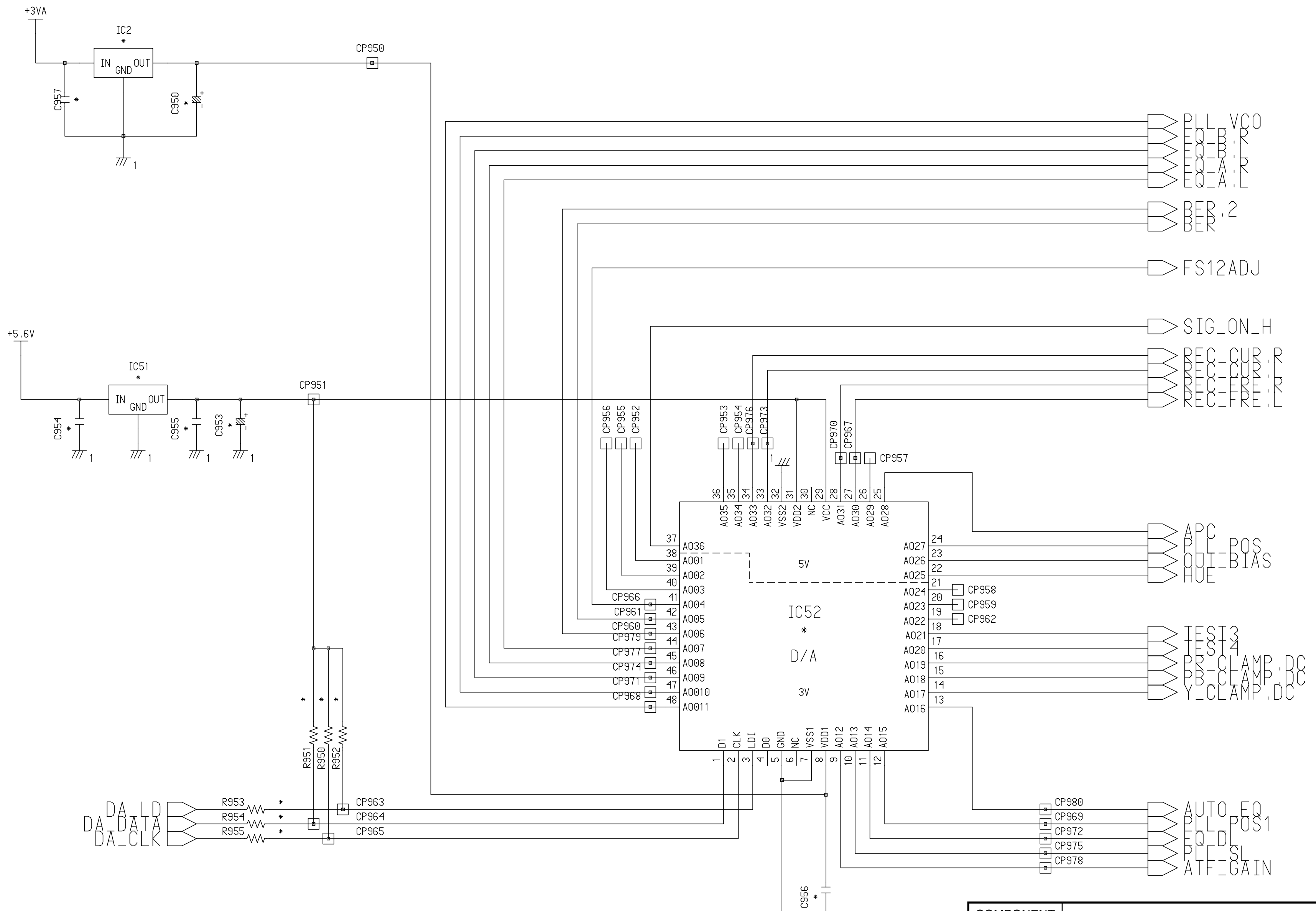
12
13
14
15

1 = ANALOG GND

= DIGITAL GND

COMPONENT NAME	**VIDEO_MAIN (ENC)**	14/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83377F/G	KR3S91 (14/15)-1$_{(2)}$	
	SCM061	

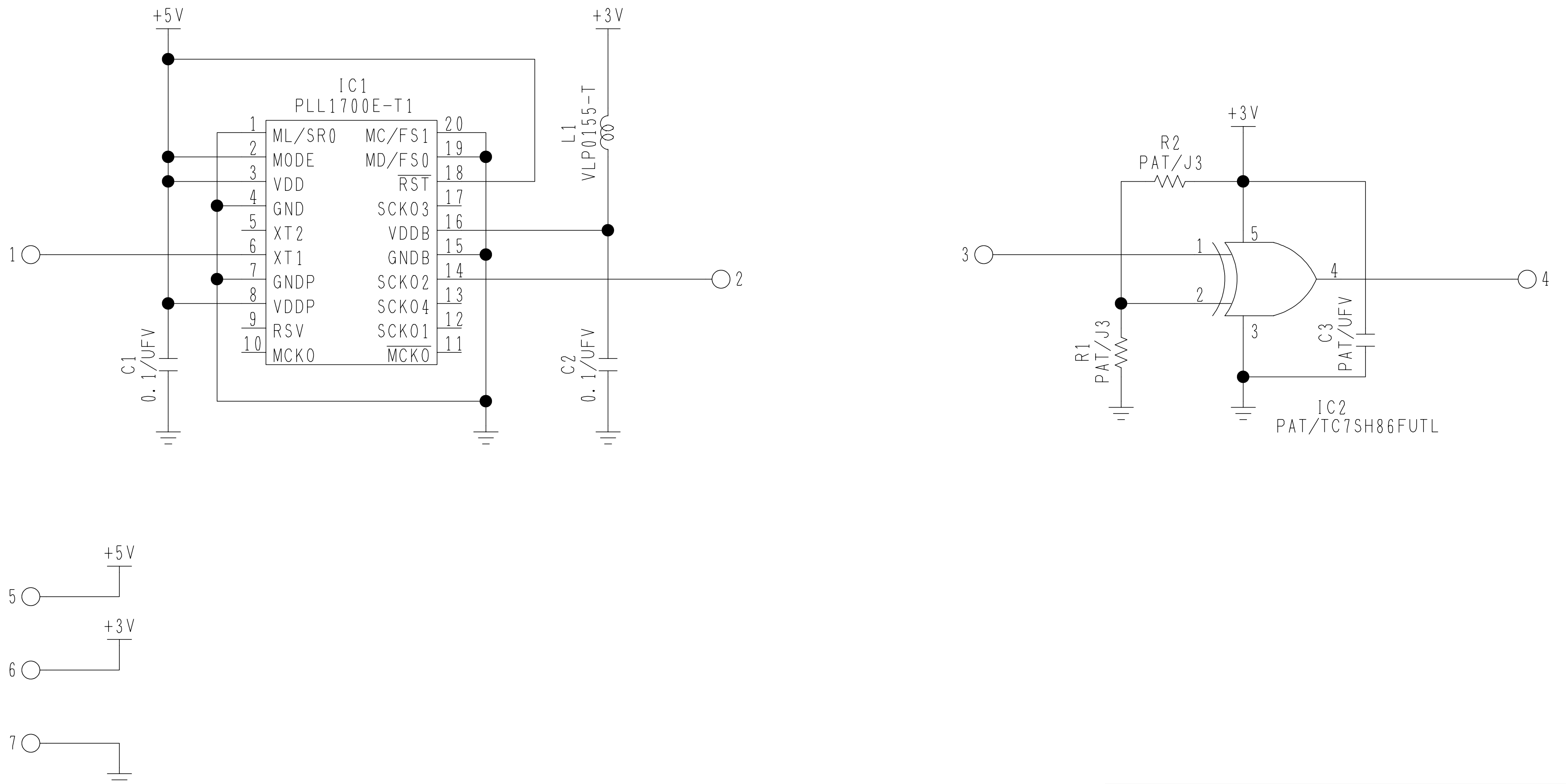

+3VA
IC2
IN
GND
OUT
C957
C950
CP950
+5.6V
IC51
CP951
C954
C955
C953
PLL_VCO
EQ-B.R
EQ-B.L
EQ-A.R
EQ-A.L
BER.2
BER
FS12ADJ
SIG_ON_H
REC-CUR.R
REC-CUR.L
REC-FRE.R
REC-FRE.L
CP956
CP955
CP952
CP953
CP954
CP976
CP973
CP970
CP967
CP957
IC52
D/A
5V
3V
CP966
CP961
CP960
CP979
CP977
CP974
CP971
CP968
CP958
CP959
CP962
APC
PLL_POS
OUT_BIAS
HUE
TEST3
TEST4
PR-CLAMP.DC
PB-CLAMP.DC
Y_CLAMP.DC
AO36
AO01
AO02
AO03
AO04
AO05
AO06
AO07
AO08
AO09
AO010
AO011
AO27
AO26
AO25
AO24
AO23
AO22
AO21
AO20
AO19
AO18
AO17
AO16
AO35
AO34
AO33
AO32
VSS2
VDD2
NC
VCC
AO31
AO30
AO29
AO28
DI
CLK
LDI
DO
GND
NC
VSS1
VDD1
AO12
AO13
AO14
AO15
R951
R950
R952
R953
R954
R955
CP963
CP964
CP965
DA_LD
DA_DATA
DA_CLK
C956
CP980
CP969
CP972
CP975
CP978
AUTO_EQ
PLL_POS1
EQ-DL
PLL-SL
ATF-GAIN
A
B
C
D
E
F
G
H
I
J

	IC52	C954,C955 C956,C957	R953,R954 R955	R950,R951 R952	IC51	IC2	C953	C950
D610WB	MB88344PFV	0.1/UFV	47/J3	47K/J3	XC62FP5002MR	XC62FP3002MR	16V10/ST1	10V10/ST1

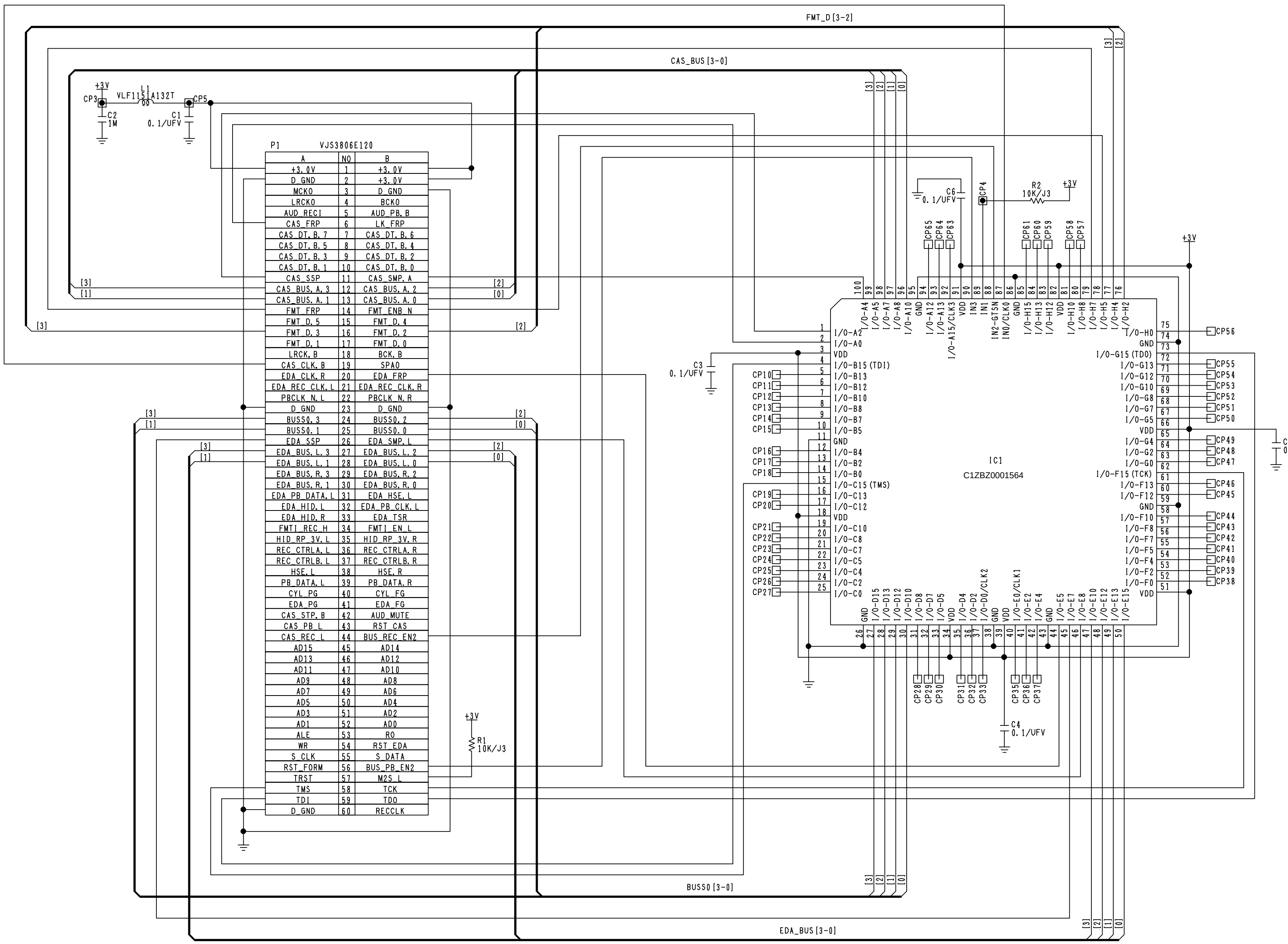
$\#_1$ = ANALOG GND

COMPONENT NAME	VIDEO_MAIN (EVR)	15/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP83377F/G		KR3S91 (15/15)-1$_{(2)}$
		SCM062

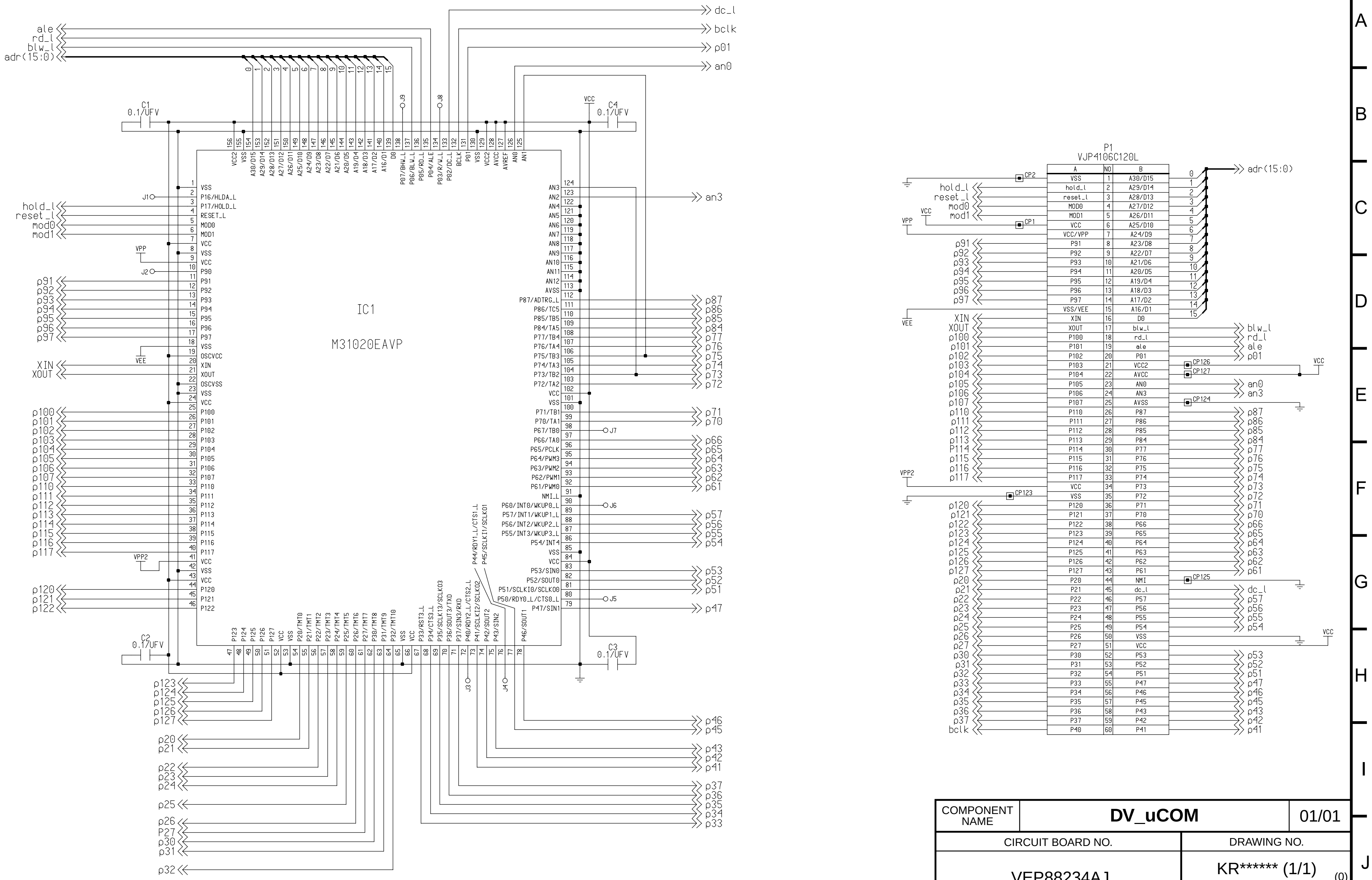
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


+5V
+3V
IC1
PLL1700E-T1
1 ML/SR0
2 MODE
3 VDD
4 GND
5 XT2
6 XT1
7 GNDP
8 VDDP
9 RSV
10 MCKO
20 MC/FS1
19 MD/FS0
18 RST
17 SCKO3
16 VDDB
15 GNDB
14 SCKO2
13 SCKO4
12 SCKO1
11 MCKO
L1
VLP0155-T
C1
0.1/UFV
C2
0.1/UFV
1
2
3
4
+3V
R2
PAT/J3
R1
PAT/J3
C3
PAT/UFV
IC2
PAT/TC7SH86FUTL
1
2
3
4
5
5
+5V
6
+3V
7

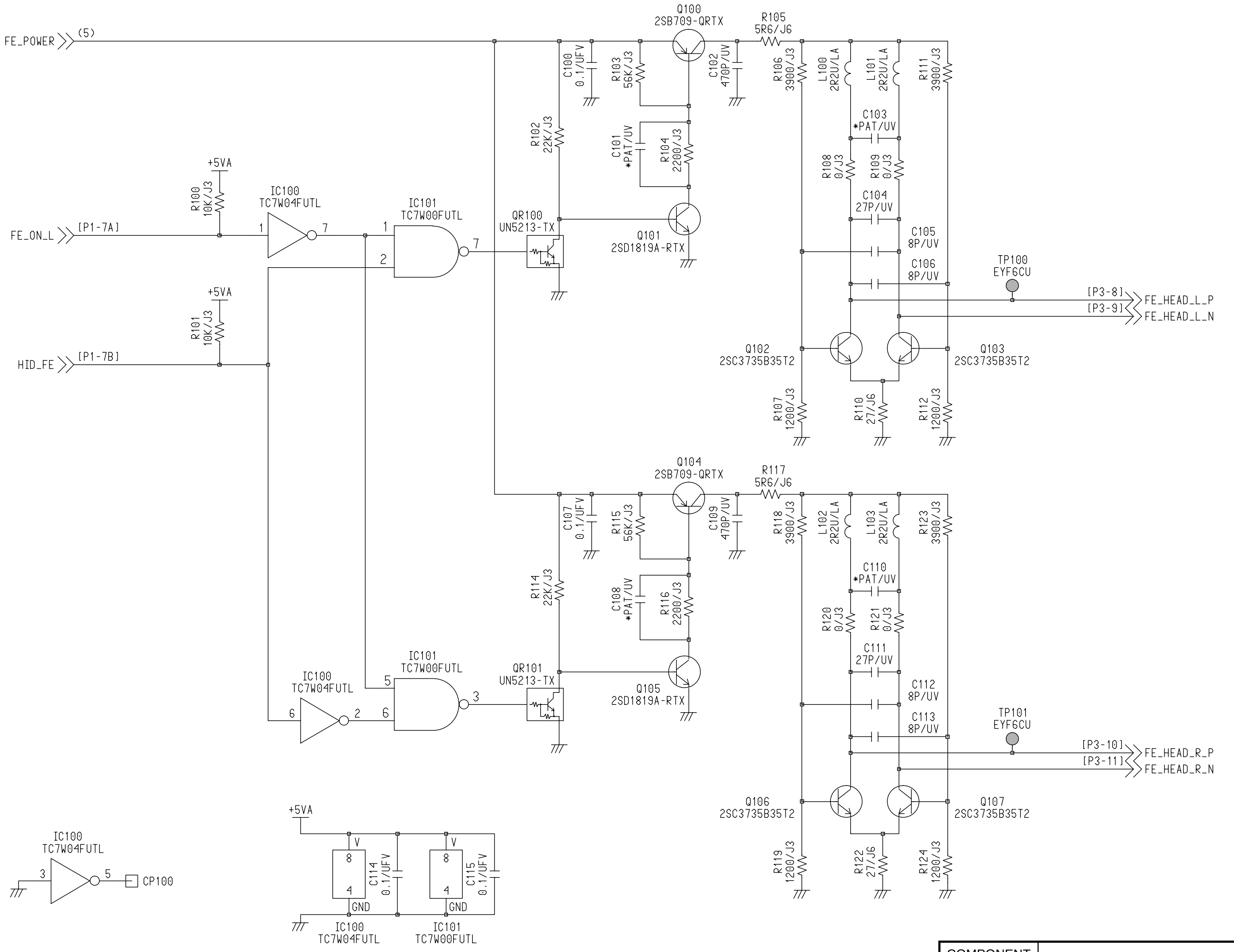
COMPONENT NAME	**AUDIO PLL SUB**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83519A	KR3Z24 (1/1)-1 (0)	
	SCM063	


FMT_D [3-2]
CAS_BUS [3-0]
BUSS0 [3-0]
EDA_BUS [3-0]
+3V
CP3
L1
VLF115 A132T
CP5
C2
1M
C1
0.1/UFV
P1
VJS3806E120
A
NO
B
+3.0V 1 +3.0V
D_GND 2 +3.0V
MCKO 3 D_GND
LRCKO 4 BCKO
AUD_RECI 5 AUD_PB,B
CAS_FRP 6 LK_FRP
CAS_DT,B,7 7 CAS_DT,B,6
CAS_DT,B,5 8 CAS_DT,B,4
CAS_DT,B,3 9 CAS_DT,B,2
CAS_DT,B,1 10 CAS_DT,B,0
CAS_SSP 11 CAS_SMP,A
CAS_BUS,A,3 12 CAS_BUS,A,2
CAS_BUS,A,1 13 CAS_BUS,A,0
FMT_FRP 14 FMT_ENB_N
FMT_D,5 15 FMT_D,4
FMT_D,3 16 FMT_D,2
FMT_D,1 17 FMT_D,0
LRCK,B 18 BCK,B
CAS_CLK,B 19 SPA0
EDA_CLK,R 20 EDA_FRP
EDA_REC_CLK,L 21 EDA_REC_CLK,R
PBCLK_N,L 22 PBCLK_N,R
D_GND 23 D_GND
BUSS0,3 24 BUSS0,2
BUSS0,1 25 BUSS0,0
EDA_SSP 26 EDA_SMP,L
EDA_BUS,L,3 27 EDA_BUS,L,2
EDA_BUS,L,1 28 EDA_BUS,L,0
EDA_BUS,R,3 29 EDA_BUS,R,2
EDA_BUS,R,1 30 EDA_BUS,R,0
EDA_PB_DATA,L 31 EDA_HSE,L
EDA_HID,L 32 EDA_PB_CLK,L
EDA_HID,R 33 EDA_TSR
FMTJ_REC_H 34 FMTJ_EN_L
HID_RP_3V,L 35 HID_RP_3V,R
REC_CTRLA,L 36 REC_CTRLA,R
REC_CTRLB,L 37 REC_CTRLB,R
HSE,L 38 HSE,R
PB_DATA,L 39 PB_DATA,R
CYL_PG 40 CYL_FG
EDA_PG 41 EDA_FG
CAS_STP,B 42 AUD_MUTE
CAS_PB_L 43 RST_CAS
CAS_REC_L 44 BUS_REC_EN2
AD15 45 AD14
AD13 46 AD12
AD11 47 AD10
AD9 48 AD8
AD7 49 AD6
AD5 50 AD4
AD3 51 AD2
AD1 52 AD0
ALE 53 RO
WR 54 RST_EDA
S_CLK 55 S_DATA
RST_FORM 56 BUS_PB_EN2
TRST 57 M2S_L
TMS 58 TCK
TDI 59 TDO
D_GND 60 RECCLK
R1
10K/J3
C6
0.1/UFV
CP4
R2
10K/J3
C3
0.1/UFV
C4
0.1/UFV
C5
0.1/UFV
IC1
C1ZBZ0001564
I/O-A4
I/O-A5
I/O-A7
I/O-A8
I/O-A10
GND
I/O-A12
I/O-A13
I/O-A15/CLK3
VDD
IN3
IN1
IN2-GTSN
IN0/CLK0
GND
I/O-H15
I/O-H13
I/O-H12
VDD
I/O-H10
I/O-H8
I/O-H7
I/O-H5
I/O-H4
I/O-H2
I/O-A2
I/O-A0
VDD
I/O-B15 (TDI)
I/O-B13
I/O-B12
I/O-B10
I/O-B8
I/O-B7
I/O-B5
GND
I/O-B4
I/O-B2
I/O-B0
I/O-C15 (TMS)
I/O-C13
I/O-C12
VDD
I/O-C10
I/O-C8
I/O-C7
I/O-C5
I/O-C4
I/O-C2
I/O-C0
I/O-H0
GND
I/O-G15 (TDO)
I/O-G13
I/O-G12
I/O-G10
I/O-G8
I/O-G7
I/O-G5
VDD
I/O-G4
I/O-G2
I/O-G0
I/O-F15 (TCK)
I/O-F13
I/O-F12
GND
I/O-F10
I/O-F8
I/O-F7
I/O-F5
I/O-F4
I/O-F2
I/O-F0
VDD
GND
I/O-D15
I/O-D13
I/O-D12
I/O-D10
I/O-D8
I/O-D7
I/O-D5
VDD
I/O-D4
I/O-D2
I/O-D0/CLK2
GND
VDD
I/O-E0/CLK1
I/O-E2
I/O-E4
GND
I/O-E5
I/O-E7
I/O-E8
I/O-E10
I/O-E12
I/O-E13
I/O-E15
CP10
CP11
CP12
CP13
CP14
CP15
CP16
CP17
CP18
CP19
CP20
CP21
CP22
CP23
CP24
CP25
CP26
CP27
CP28
CP29
CP30
CP31
CP32
CP33
CP35
CP36
CP37
CP38
CP39
CP40
CP41
CP42
CP43
CP44
CP45
CP46
CP47
CP48
CP49
CP50
CP51
CP52
CP53
CP54
CP55
CP56
CP57
CP58
CP59
CP60
CP61
CP63
CP64
CP65

COMPONENT NAME	**CLS AUX**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP83439A		KR****** (1/1) (0)
		SCM064


IC1
M31020EAVP
C1
0.1/UFV
C2
0.1/UFV
C3
0.1/UFV
C4
0.1/UFV
VCC
VPP
VPP2
VEE
J1
J2
J3
J4
J5
J6
J7
J8
J9
ale
rd_l
blw_l
adr(15:0)
dc_l
bclk
p01
an0
an3
hold_l
reset_l
mod0
mod1
XIN
XOUT
p91
p92
p93
p94
p95
p96
p97
p100
p101
p102
p103
p104
p105
p106
p107
p110
p111
p112
p113
p114
p115
p116
p117
p120
p121
p122
p123
p124
p125
p126
p127
p20
p21
p22
p23
p24
p25
p26
P27
p30
p31
p32
p33
p34
p35
p36
p37
p41
p42
p43
p45
p46
p47
p51
p52
p53
p54
p55
p56
p57
p61
p62
p63
p64
p65
p66
p70
p71
p72
p73
p74
p75
p76
p77
p84
p85
p86
p87
P1
VJP4106C120L
CP1
CP2
CP123
CP124
CP125
CP126
CP127

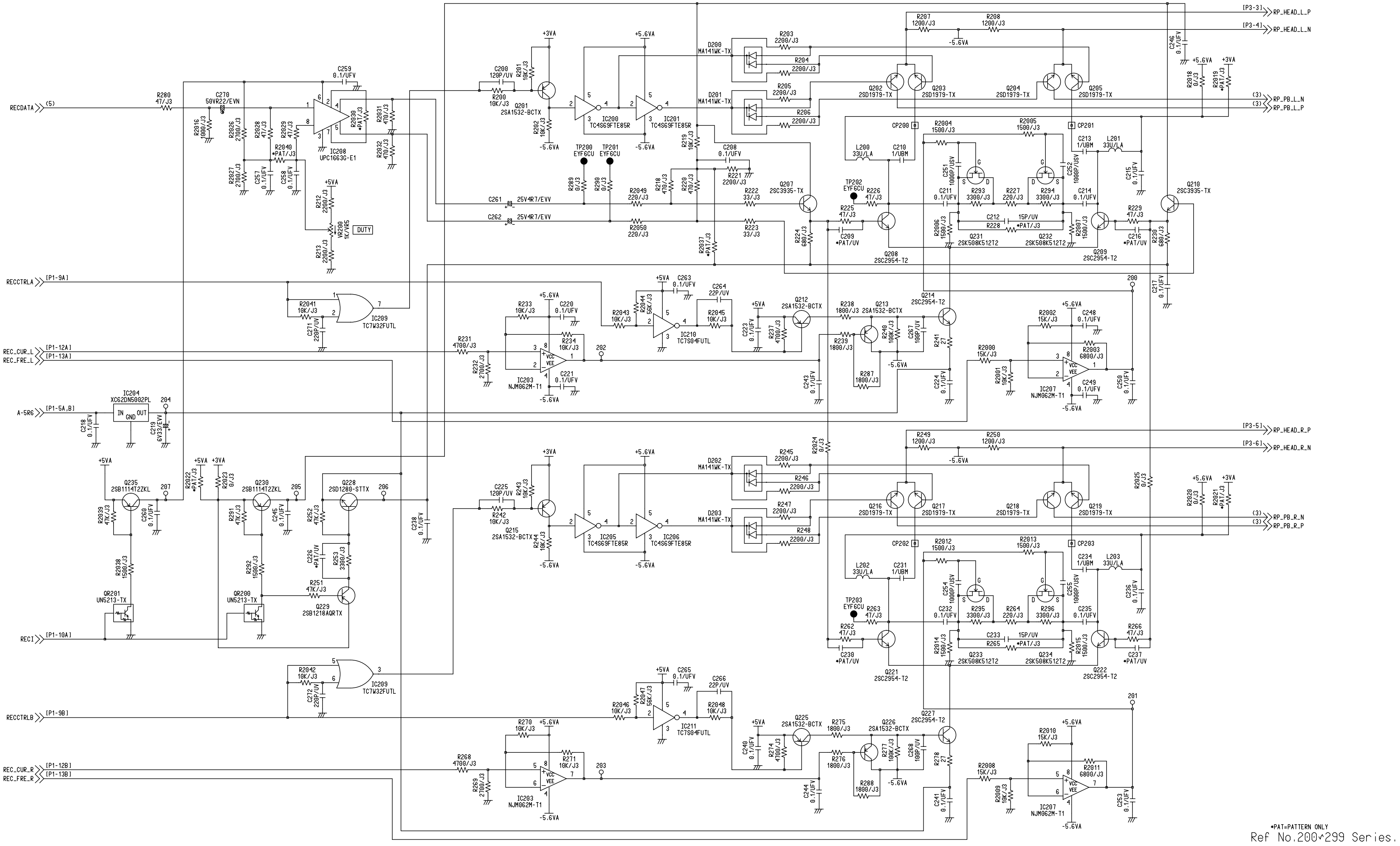
COMPONENT NAME	DV_uCOM	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP88234AJ	KR****** (1/1) (0)	
	SCM065	

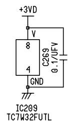

FE_POWER (5)
FE_ON_L [P1-7A]
HID_FE [P1-7B]
+5VA
R100 10K/J3
R101 10K/J3
IC100 TC7W04FUTL
IC101 TC7W00FUTL
QR100 UN5213-TX
QR101 UN5213-TX
Q100 2SB709-QRTX
Q101 2SD1819A-RTX
Q104 2SB709-QRTX
Q105 2SD1819A-RTX
R105 5R6/J6
R117 5R6/J6
C100 0.1/UFV
C107 0.1/UFV
R103 56K/J3
R115 56K/J3
C102 470P/UV
C109 470P/UV
R102 22K/J3
R114 22K/J3
C101 *PAT/UV
C108 *PAT/UV
R104 2200/J3
R116 2200/J3
R106 3900/J3
R118 3900/J3
L100 2R2U/LA
L101 2R2U/LA
L102 2R2U/LA
L103 2R2U/LA
R111 3900/J3
R123 3900/J3
C103 *PAT/UV
C110 *PAT/UV
R108 0/J3
R109 0/J3
R120 0/J3
R121 0/J3
C104 27P/UV
C111 27P/UV
C105 8P/UV
C106 8P/UV
C112 8P/UV
C113 8P/UV
TP100 EYF6CU
TP101 EYF6CU
[P3-8] FE_HEAD_L_P
[P3-9] FE_HEAD_L_N
[P3-10] FE_HEAD_R_P
[P3-11] FE_HEAD_R_N
Q102 2SC3735B35T2
Q103 2SC3735B35T2
Q106 2SC3735B35T2
Q107 2SC3735B35T2
R107 1200/J3
R110 27/J6
R112 1200/J3
R119 1200/J3
R122 27/J6
R124 1200/J3
CP100
V
8
4
GND
C114 0.1/UFV
C115 0.1/UFV
IC100 TC7W04FUTL
IC101 TC7W00FUTL
1
2
3
5
6
7

*PAT=PATTERN ONLY

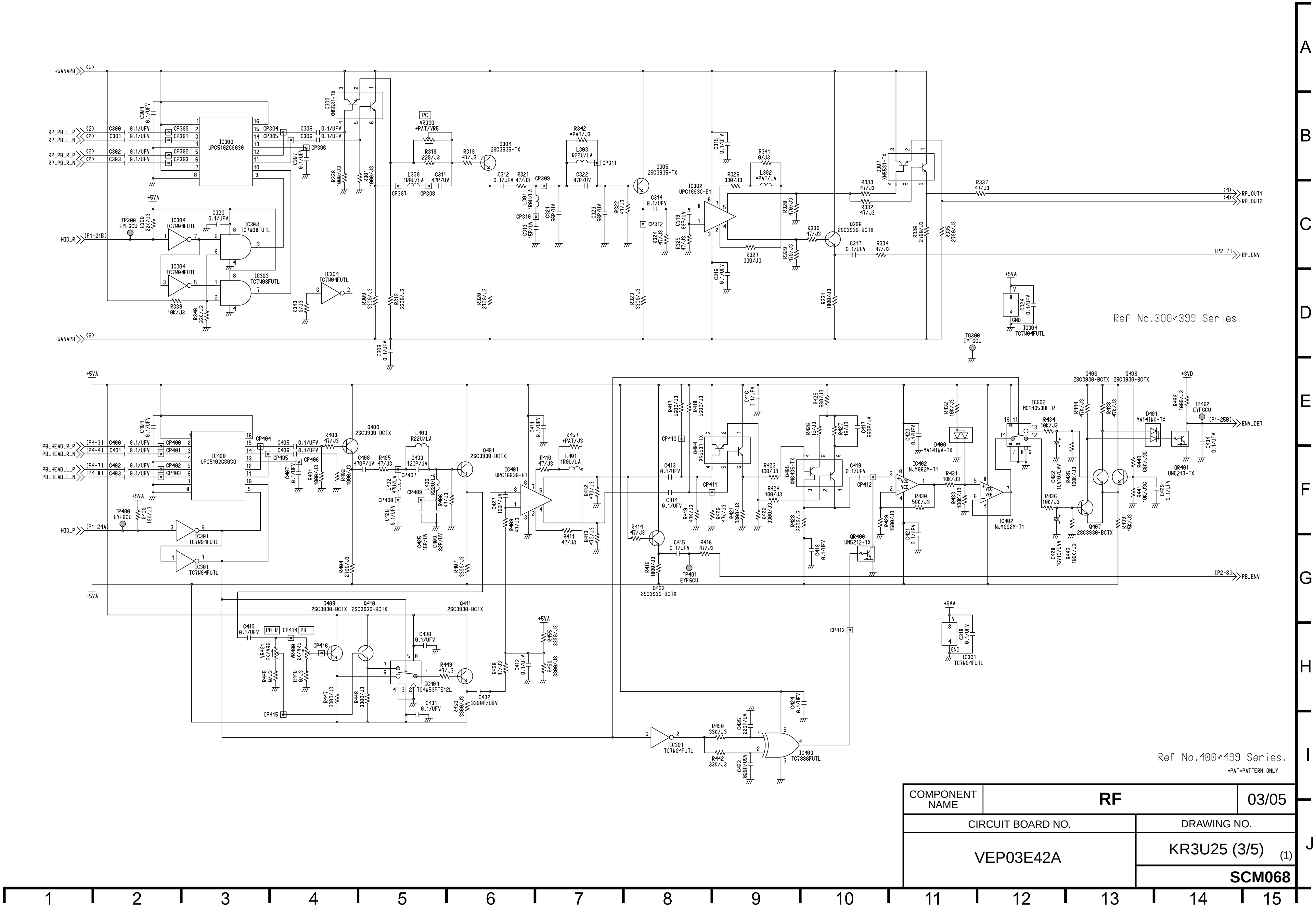
Ref No.100~199 Series.

COMPONENT NAME	RF	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E42A	KR3U25 (1/5) (1)	
	SCM066	


RECDATA
RECCTRLA [P1-9A]
REC_CUR_L [P1-12A]
REC_FRE_L [P1-13A]
A-5R6 [P1-5A,B]
RECI [P1-10A]
RECCTRLB [P1-9B]
REC_CUR_R [P1-12B]
REC_FRE_R [P1-13B]
[P3-3] RP_HEAD_L_P
[P3-4] RP_HEAD_L_N
(3) RP_PB_L_N
(3) RP_PB_L_P
[P3-5] RP_HEAD_R_P
[P3-6] RP_HEAD_R_N
(3) RP_PB_R_N
(3) RP_PB_R_P
IC208 UPC1663G-E1
IC200 TC4S69FTE85R
IC201 TC4S69FTE85R
IC205 TC4S69FTE85R
IC206 TC4S69FTE85R
IC209 TC7W32FUTL
IC210 TC7S04FUTL
IC211 TC7S04FUTL
IC203 NJM062M-T1
IC207 NJM062M-T1
IC204 XC62DN5002PL
VR200 1K/VR5
DUTY
Q201 2SA1532-BCTX
Q215 2SA1532-BCTX
Q207 2SC3935-TX
Q210 2SC3935-TX
Q202 2SD1979-TX
Q203 2SD1979-TX
Q204 2SD1979-TX
Q205 2SD1979-TX
Q216 2SD1979-TX
Q217 2SD1979-TX
Q218 2SD1979-TX
Q219 2SD1979-TX
Q231 2SK508K51ZT2
Q232 2SK508K51ZT2
Q233 2SK508K51ZT2
Q234 2SK508K51ZT2
Q208 2SC2954-T2
Q209 2SC2954-T2
Q214 2SC2954-T2
Q221 2SC2954-T2
Q222 2SC2954-T2
Q227 2SC2954-T2
Q212 2SA1532-BCTX
Q213 2SA1532-BCTX
Q225 2SA1532-BCTX
Q226 2SA1532-BCTX
Q235 2SB1114T2ZKL
Q230 2SB1114T2ZKL
Q228 2SD1280-STTX
Q229 2SB1218AQRTX
QR201 UN5213-TX
QR200 UN5213-TX
D200 MA141WK-TX
D201 MA141WK-TX
D202 MA141WK-TX
D203 MA141WK-TX
TP200 EYF6CU
TP201 EYF6CU
TP202 EYF6CU
TP203 EYF6CU
CP200
CP201
CP202
CP203
L200 33U/LA
L201 33U/LA
L202 33U/LA
L203 33U/LA
+3VA
+5.6VA
-5.6VA
+5VA
+3VD
*PAT=PATTERN ONLY
Ref No.200~299 Series.


+3VD
V
8
4
GND
C269 0.1/UFV
IC209
TC7W32FUTL

COMPONENT NAME	RF	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP03E42A		KR3U25 (2/5) (1)
		SCM067


+5ANAPB
-5ANAPB
RP_PB_L_P
RP_PB_L_N
RP_PB_R_P
RP_PB_R_N
HID_R
[P1-21B]
IC300
UPC5102GS030
IC303
TC7W08FUTL
IC304
TC7W04FUTL
Q300
XN5531-TX
VR300
*PAT/VR5
PC
Q304
2SC3935-TX
Q305
2SC3935-TX
IC302
UPC1663G-E1
Q306
2SC3930-BCTX
Q307
XN5531-TX
RP_OUT1
RP_OUT2
[P2-7]
RP_ENV
TP300
EYF6CU
TG300
EYF6CU
Ref No.300~399 Series.
+5VA
-5VA
PB_HEAD_R_P
PB_HEAD_R_N
PB_HEAD_L_P
PB_HEAD_L_N
[P4-3]
[P4-4]
[P4-7]
[P4-8]
HID_P
[P1-24A]
IC400
UPC5102GS030
IC301
TC7W04FUTL
Q400
2SC3930-BCTX
Q401
2SC3930-BCTX
IC401
UPC1663G-E1
Q403
2SC3930-BCTX
Q404
XN5531-TX
Q405
XN6435-TX
IC402
NJM062M-T1
D400
MA141WA-TX
IC502
MC14053BF-R
Q406
2SC3930-BCTX
Q407
2SC3930-BCTX
Q408
2SC3930-BCTX
D401
MA141WK-TX
QR401
UN5213-TX
QR400
UN5212-TX
TP402
EYF6CU
[P1-25B]
ENV_DET
[P2-8]
PB_ENV
Q409
2SC3930-BCTX
Q410
2SC3930-BCTX
Q411
2SC3930-BCTX
IC404
TC4W53FTE12L
IC403
TC7S86FUTL
PB_R
PB_L
VR401
VR400
TP401
EYF6CU
+3VD
Ref No.400~499 Series.
*PAT=PATTERN ONLY
A
B
C
D
E
F
G
H
I
J
1
2
3
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11
12
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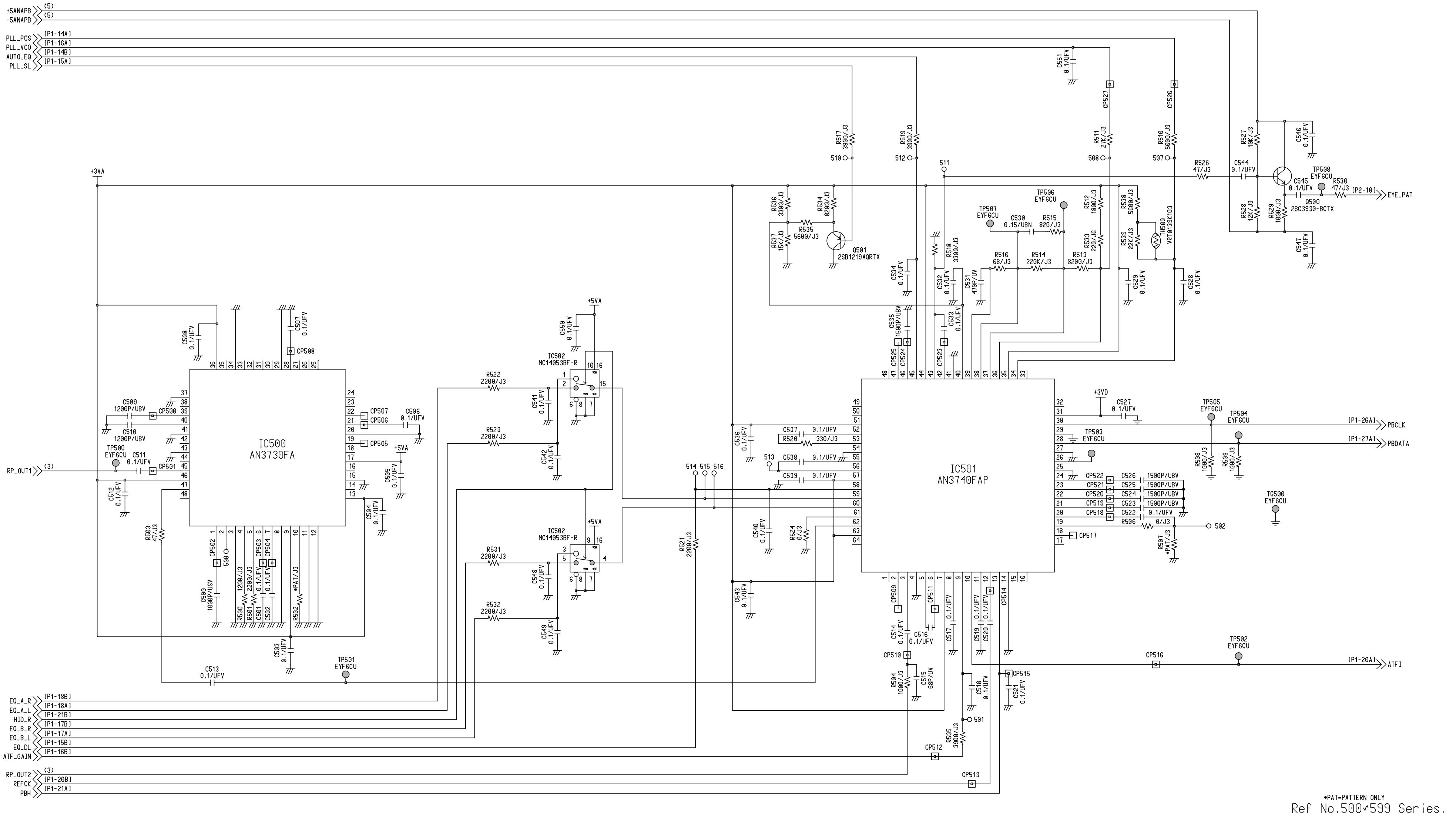
14
15

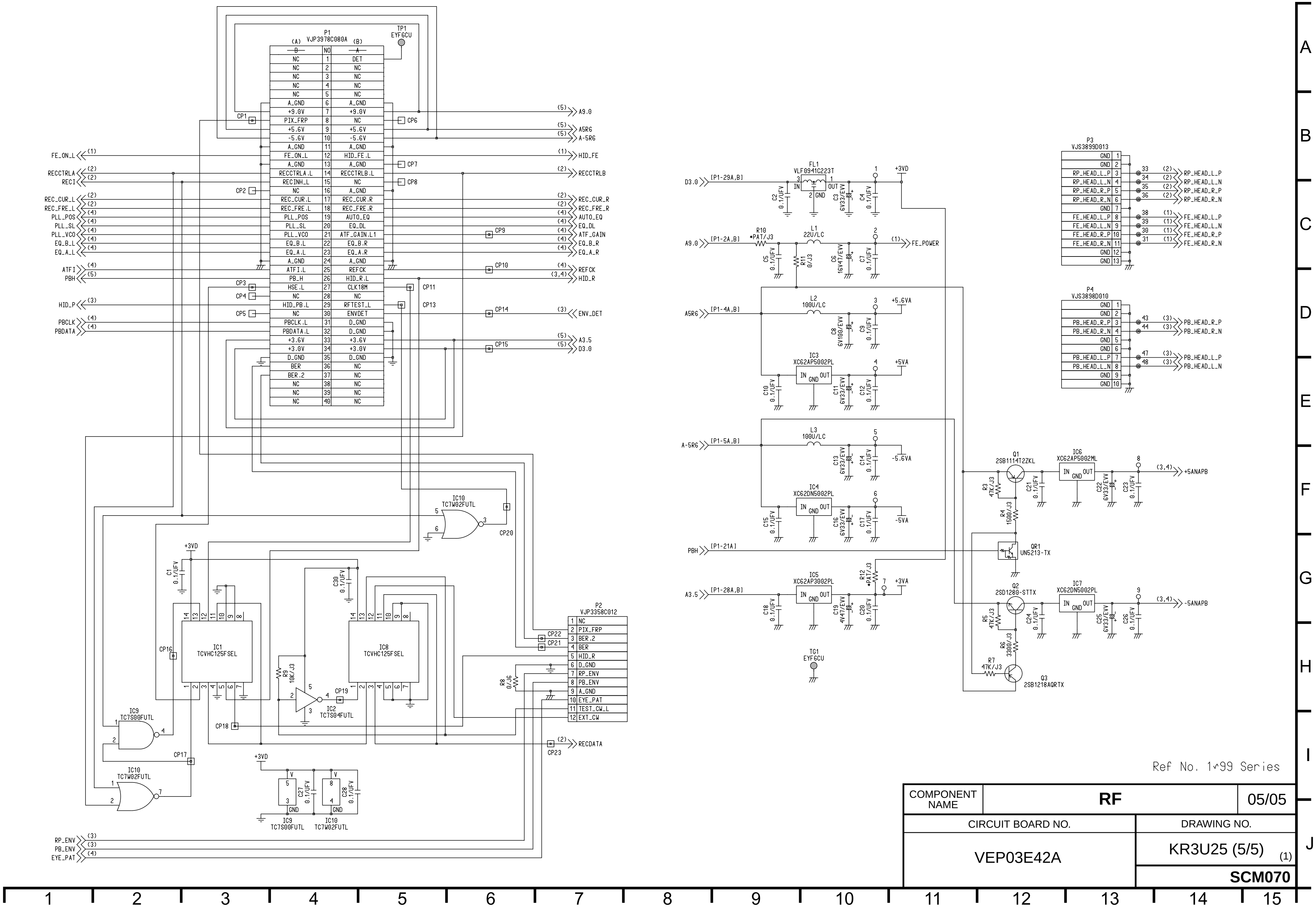
COMPONENT NAME	RF	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E42A	KR3U25 (3/5) (1)	
	SCM068	


+5ANAPB (5)
-5ANAPB (5)
PLL_POS [P1-14A]
PLL_VCO [P1-16A]
AUTO_EQ [P1-14B]
PLL_SL [P1-15A]
+3VA
IC500
AN3730FA
IC501
AN3740FAP
IC502
MC14053BF-R
+5VA
+3VD
RP_OUT1 (3)
TP500 EYF6CU
TP501 EYF6CU
TP502 EYF6CU
TP503 EYF6CU
TP504 EYF6CU
TP505 EYF6CU
TP506 EYF6CU
TP507 EYF6CU
TP508 EYF6CU
TG500 EYF6CU
Q500 2SC3930-BCTX
Q501 2SB1219AQRTX
TH500 VRT0139K103
[P2-10] EYE_PAT
[P1-26A] PBCLK
[P1-27A] PBDATA
[P1-20A] ATFI
EQ_A_R [P1-18B]
EQ_A_L [P1-18A]
HID_R [P1-21B]
EQ_B_R [P1-17B]
EQ_B_L [P1-17A]
EQ_DL [P1-15B]
ATF_GAIN [P1-16B]
RP_OUT2 (3)
REFCK [P1-20B]
PBH [P1-21A]

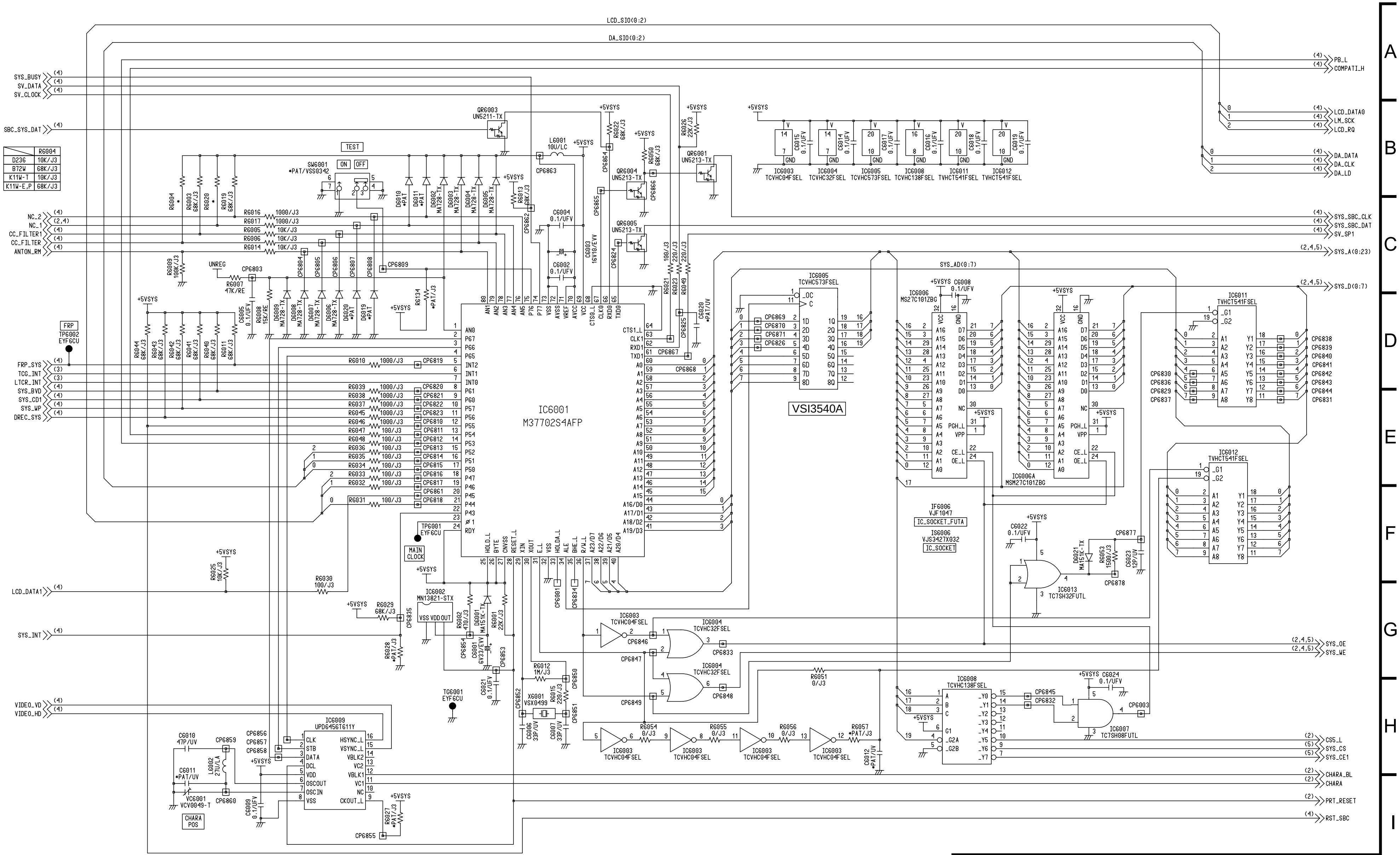
*PAT=PATTERN ONLY

Ref No.500~599 Series.

COMPONENT NAME	**RF**	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP03E42A	KR3U25 (4/5) (1)	
	SCM069	


P1
VJP3978C080A
TP1
EYF6CU
P2
VJP3358C012
P3
VJS3899D013
P4
VJS3898D010
FL1
VLF0941C223T
L1
22U/LC
L2
100U/LC
L3
100U/LC
IC1
TCVHC125FSEL
IC2
TC7S04FUTL
IC3
XC62AP5002PL
IC4
XC62DN5002PL
IC5
XC62AP3002PL
IC6
XC62AP5002ML
IC7
XC62DN5002PL
IC8
TCVHC125FSEL
IC9
TC7S00FUTL
IC10
TC7W02FUTL
Q1
2SB1114T2ZKL
Q2
2SD1280-STTX
Q3
2SB1218AQRTX
QR1
UN5213-TX
TG1
EYF6CU
A9.0
A5R6
A-5R6
HID_FE
RECCTRLB
REC_CUR_R
REC_FRE_R
AUTO_EQ
EQ_DL
ATF_GAIN
EQ_B_R
EQ_A_R
REFCK
HID_R
ENV_DET
A3.5
D3.0
FE_ON_L
RECCTRLA
RECI
REC_CUR_L
REC_FRE_L
PLL_POS
PLL_SL
PLL_VCO
EQ_B_L
EQ_A_L
ATFI
PBH
HID_P
PBCLK
PBDATA
RECDATA
RP_ENV
PB_ENV
EYE_PAT
FE_POWER
+5ANAPB
-5ANAPB
RP_HEAD_L_P
RP_HEAD_L_N
RP_HEAD_R_P
RP_HEAD_R_N
FE_HEAD_L_P
FE_HEAD_L_N
FE_HEAD_R_P
FE_HEAD_R_N
PB_HEAD_R_P
PB_HEAD_R_N
PB_HEAD_L_P
PB_HEAD_L_N
+3VD
+5.6VA
+5VA
-5.6VA
-5VA
+3VA
Ref No. 1~99 Series

COMPONENT NAME	**RF**	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP03E42A		KR3U25 (5/5) (1)
		SCM070


LCD_SIO(0:2)
DA_SIO(0:2)
SYS_BUSY
SV_DATA
SV_CLOCK
SBC_SYS_DAT
NC_2
NC_1
CC_FILTER1
CC_FILTER
ANTON_RM
FRP_SYS
TCG_INT
LTCR_INT
SYS_BVD
SYS_CD1
SYS_WP
DREC_SYS
LCD_DATA1
SYS_INT
VIDEO_VD
VIDEO_HD
PB_L
COMPATI_H
LCD_DATA0
LM_SCK
LCD_RQ
DA_DATA
DA_CLK
DA_LD
SYS_SBC_CLK
SYS_SBC_DAT
SV_SP1
SYS_A(0:23)
SYS_D(0:7)
SYS_AD(0:7)
SYS_OE
SYS_WE
CS5_L
SYS_CS
SYS_CE1
CHARA_BL
CHARA
PRT_RESET
RST_SBC
IC6001
M37702S4AFP
IC6005
TCVHC573FSEL
VSI3540A
IC6006
MS27C101ZBG
IC6006A
MSM27C101ZBG
IC6011
TVHCT541FSEL
IC6012
TVHCT541FSEL
IF6006
VJF1047
IC_SOCKET_FUTA
IS6006
VJS3427X032
IC_SOCKET
IC6013
TC7SH32FUTL
IC6008
TCVHC138FSEL
IC6007
TC7SH08FUTL
IC6003
TCVHC04FSEL
IC6004
TCVHC32FSEL
IC6009
UPD6456T611Y
IC6002
MN13821-STX
QR6003
UN5211-TX
QR6004
UN5213-TX
QR6005
UN5213-TX
QR6001
UN5213-TX
SW6001
TEST
ON
OFF
FRP
TP6002
EYF6CU
TP6001
EYF6CU
MAIN CLOCK
TG6001
EYF6CU
CHARA POS
X6001
VSX0499
L6001
10U/LC
L6002
27U/LA
VC6001
VCV0049-T
+5VSYS
UNREG
1
2
3
4
5
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8
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11
12
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A
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C
D
E
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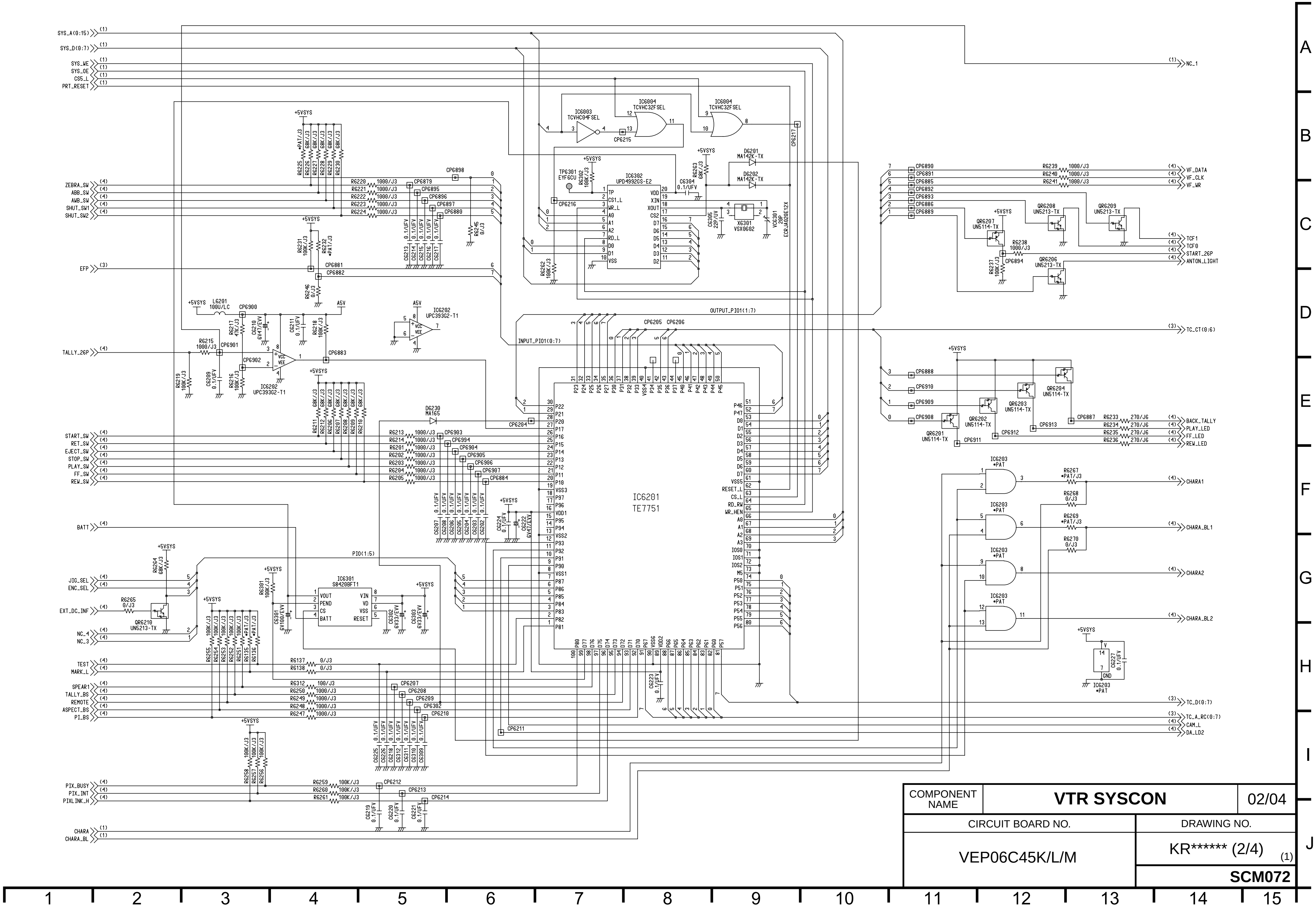
G
H
I
J

	R6004
D236	10K/J3
B72W	68K/J3
K11W-T	10K/J3
K11W-E,P	68K/J3

COMPONENT NAME	VTR SYSCON	01/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP06C45K/L/M	KR****** (1/4) (1)	
	SCM071	


SYS_A(0:15)
SYS_D(0:7)
SYS_WE
SYS_OE
CS5_L
PRT_RESET
ZEBRA_SW
ABB_SW
AWB_SW
SHUT_SW1
SHUT_SW2
EFP
TALLY_26P
START_SW
RET_SW
EJECT_SW
STOP_SW
PLAY_SW
FF_SW
REW_SW
BATT
JIG_SEL
ENC_SEL
EXT_DC_INF
NC_4
NC_3
TEST
MARK_L
SPEAR1
TALLY_BS
REMOTE
ASPECT_BS
PI_BS
PIX_BUSY
PIX_INT
PIXLINK_H
CHARA
CHARA_BL
NC_1
VF_DATA
VF_CLK
VF_WR
TCF1
TCF0
START_26P
ANTON_LIGHT
TC_CT(0:6)
BACK_TALLY
PLAY_LED
FF_LED
REW_LED
CHARA1
CHARA_BL1
CHARA2
CHARA_BL2
TC_D(0:7)
TC_A_RC(0:7)
CAM_L
DA_LD2
IC6201
TE7751
IC6302
UPD4992GS-E2
IC6003
TCVHC04FSEL
IC6004
TCVHC32FSEL
IC6202
UPC393G2-T1
IC6301
S8420BFT1
IC6203
*PAT
X6301
VSX0602
VC6301
ECRJA020E12X
D6201
MA142K-TX
D6202
MA142K-TX
D6230
MA165
L6201
100U/LC
TP6301
EYF6CU
QR6201
QR6202
QR6203
QR6204
QR6206
QR6207
QR6208
QR6209
QR6210
UN5114-TX
UN5213-TX
+5VSYS
A5V
OUTPUT_PIO1(1:7)
INPUT_PIO1(0:7)
PIO(1:5)
1
2
3
4
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6
7
8
9
10
11
12
13
14
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A
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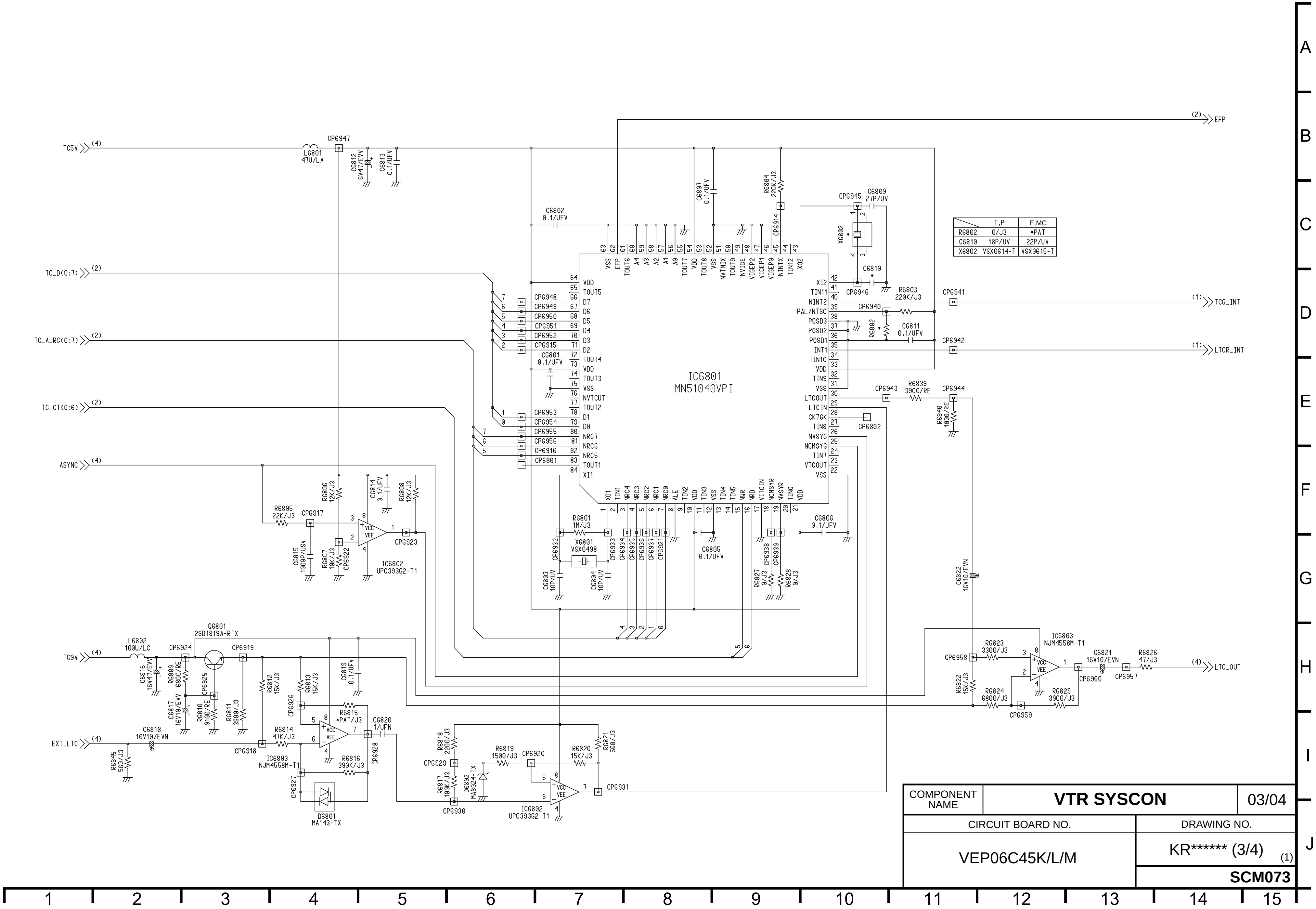
COMPONENT NAME	VTR SYSCON	02/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP06C45K/L/M	KR****** (2/4) (1)	
	SCM072	


TC5V (4)
TC_D(0:7) (2)
TC_A_RC(0:7) (2)
TC_CT(0:6) (2)
ASYNC (4)
TC9V (4)
EXT_LTC (4)
(2) EFP
(1) TCG_INT
(1) LTCR_INT
(4) LTC_OUT
IC6801
MN51040VPI
IC6802
UPC393G2-T1
IC6803
NJM4558M-T1
Q6801
2SD1819A-RTX
L6801
47U/LA
L6802
100U/LC
X6801
VSX0498
X6802
D6801
MA143-TX
D6802
MA8024-TX
CP6947
CP6941
CP6942
CP6943
CP6944
CP6945
CP6946
CP6940
CP6802
CP6923
CP6917
CP6924
CP6919
CP6918
CP6931
CP6930
CP6929
CP6920
CP6958
CP6959
CP6960
CP6957
A
B
C
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	T,P	E,MC
R6802	0/J3	*PAT
C6810	18P/UV	22P/UV
X6802	VSX0614-T	VSX0615-T

COMPONENT NAME	VTR SYSCON	03/04

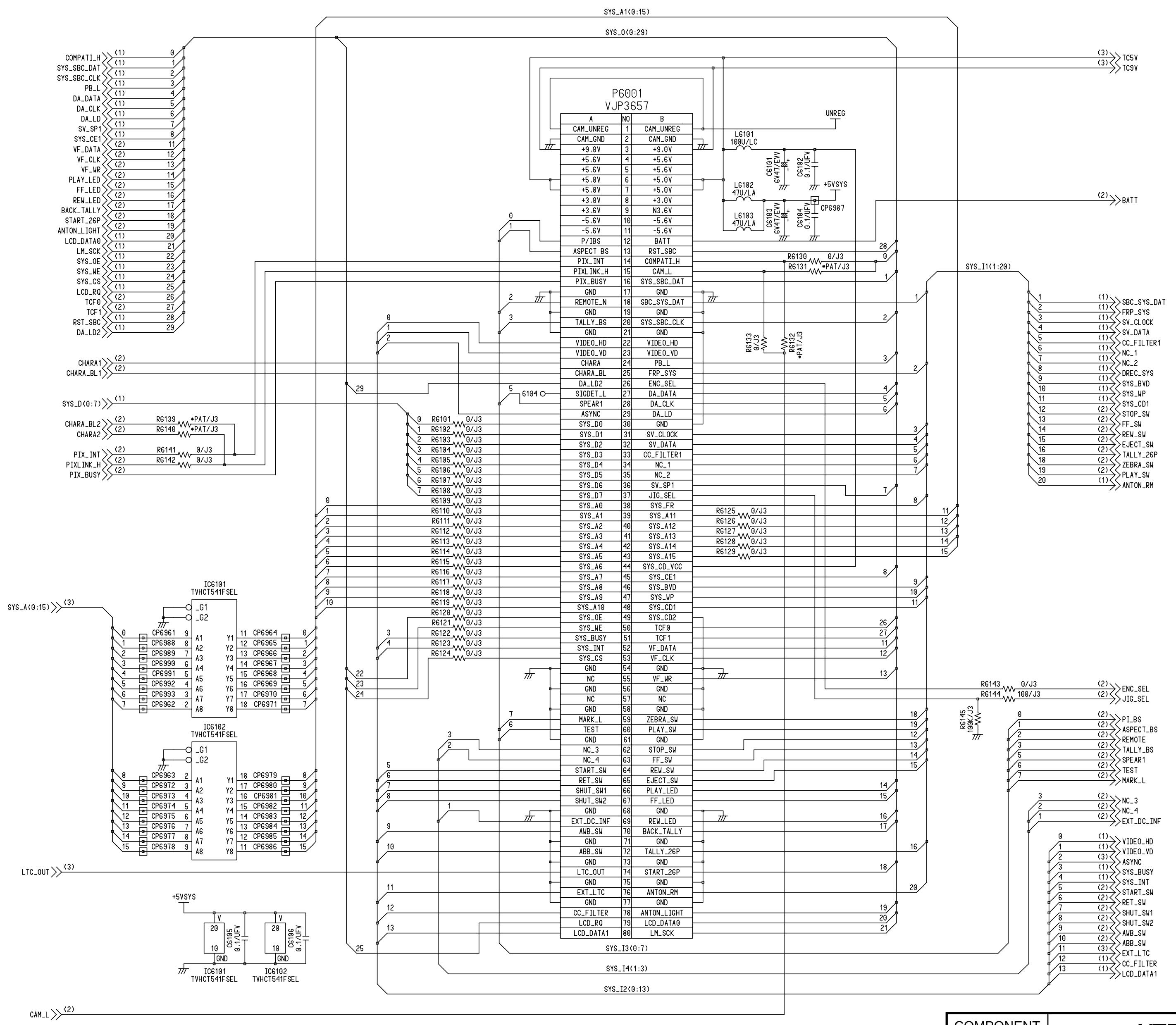
CIRCUIT BOARD NO.

VEP06C45K/L/M

DRAWING NO.

KR****** (3/4) (1)

SCM073


SYS_A1(0:15)
SYS_D(0:29)
P6001
VJP3657
COMPATI_H
SYS_SBC_DAT
SYS_SBC_CLK
PB_L
DA_DATA
DA_CLK
DA_LD
SV_SP1
SYS_CE1
VF_DATA
VF_CLK
VF_WR
PLAY_LED
FF_LED
REW_LED
BACK_TALLY
START_26P
ANTON_LIGHT
LCD_DATA0
LM_SCK
SYS_OE
SYS_WE
SYS_CS
LCD_RQ
TCF0
TCF1
RST_SBC
DA_LD2
CHARA1
CHARA_BL1
SYS_D(0:7)
CHARA_BL2
CHARA2
PIX_INT
PIXLINK_H
PIX_BUSY
SYS_A(0:15)
LTC_OUT
CAM_L
TC5V
TC9V
UNREG
BATT
+5VSYS
L6101 100U/LC
L6102 47U/LA
L6103 47U/LA
C6101 6V47/EVV
C6102 0.1/UFV
C6103 6V47/EVV
C6104 0.1/UFV
CP6987
R6130 0/J3
R6131 *PAT/J3
R6133 0/J3
R6132 *PAT/J3
R6139 *PAT/J3
R6140 *PAT/J3
R6141 0/J3
R6142 0/J3
R6101–R6124 0/J3
R6125–R6129 0/J3
R6143 0/J3
R6144 100/J3
R6145 100K/J3
G6104
IC6101 TVHCT541FSEL
IC6102 TVHCT541FSEL
CP6961–CP6986
C6105 0.1/UFV
C6106 0.1/UFV
SYS_I1(1:20)
SYS_I3(0:7)
SYS_I4(1:3)
SYS_I2(0:13)
SBC_SYS_DAT
FRP_SYS
SV_CLOCK
SV_DATA
CC_FILTER1
NC_1
NC_2
DREC_SYS
SYS_BVD
SYS_WP
SYS_CD1
STOP_SW
FF_SW
REW_SW
EJECT_SW
TALLY_26P
ZEBRA_SW
PLAY_SW
ANTON_RM
ENC_SEL
JIG_SEL
PI_BS
ASPECT_BS
REMOTE
TALLY_BS
SPEAR1
TEST
MARK_L
NC_3
NC_4
EXT_DC_INF
VIDEO_HD
VIDEO_VD
ASYNC
SYS_BUSY
SYS_INT
START_SW
RET_SW
SHUT_SW1
SHUT_SW2
AWB_SW
ABB_SW
EXT_LTC
CC_FILTER
LCD_DATA1
A
B
C
D
E
F
G
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J
1
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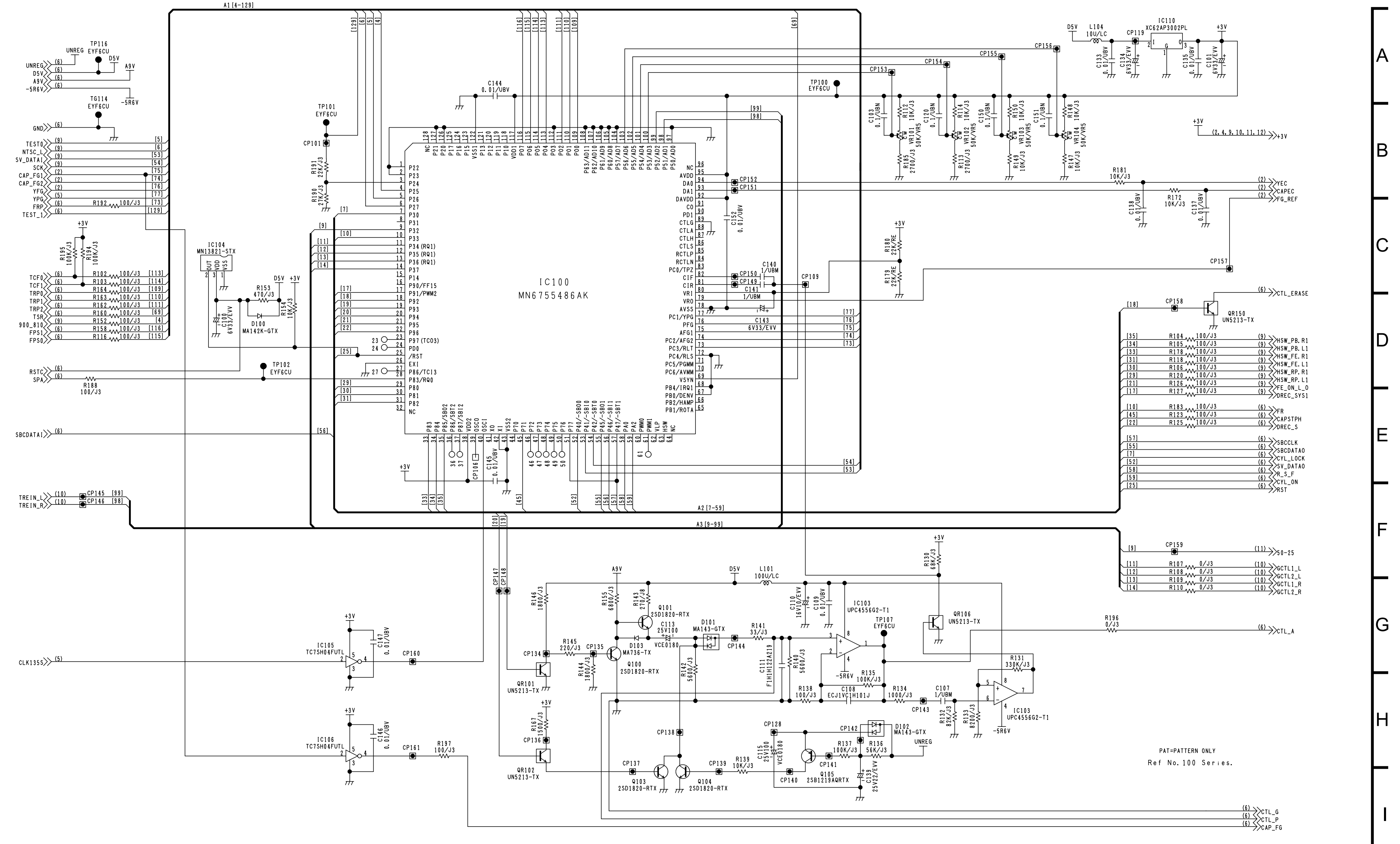
COMPONENT NAME	VTR SYSCON	04/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP06C45K/L/M	KR****** (4/4) (1)	
	SCM074	


IC100
MN6755486AK
IC104
MN13821-STX
IC110
XC62AP3002PL
IC103
UPC4556G2-T1
IC105
TC7SH04FUTL
IC106
TC7SH04FUTL
UNREG
D5V
A9V
-5R6V
GND
TEST0
NTSC_L
SV_DATA1
SCK
CAP_FG1
CAP_FG2
YFG
YPG
FRP
TEST_1
TCF0
TCF1
TRP0
TRP1
TRP2
TSR
900_810
FPS1
FPS0
RSTC
SPA
SBCDATAI
TREIN_L
TREIN_R
CLK135S
YEC
CAPEC
FG_REF
CTL_ERASE
HSW_PB.R1
HSW_PB.L1
HSW_FE.R1
HSW_FE.L1
HSW_RP.R1
HSW_RP.L1
FE_ON_L_0
DREC_SYS1
FR
CAPSTPH
DREC_S
SBCCLK
SBCDATAO
CYL_LOCK
SV_DATAO
R_S_F
CYL_ON
RST
50-25
GCTL1_L
GCTL2_L
GCTL1_R
GCTL2_R
CTL_A
CTL_G
CTL_P
CAP_FG
+3V
PAT=PATTERN ONLY
Ref No.100 Series.
A
B
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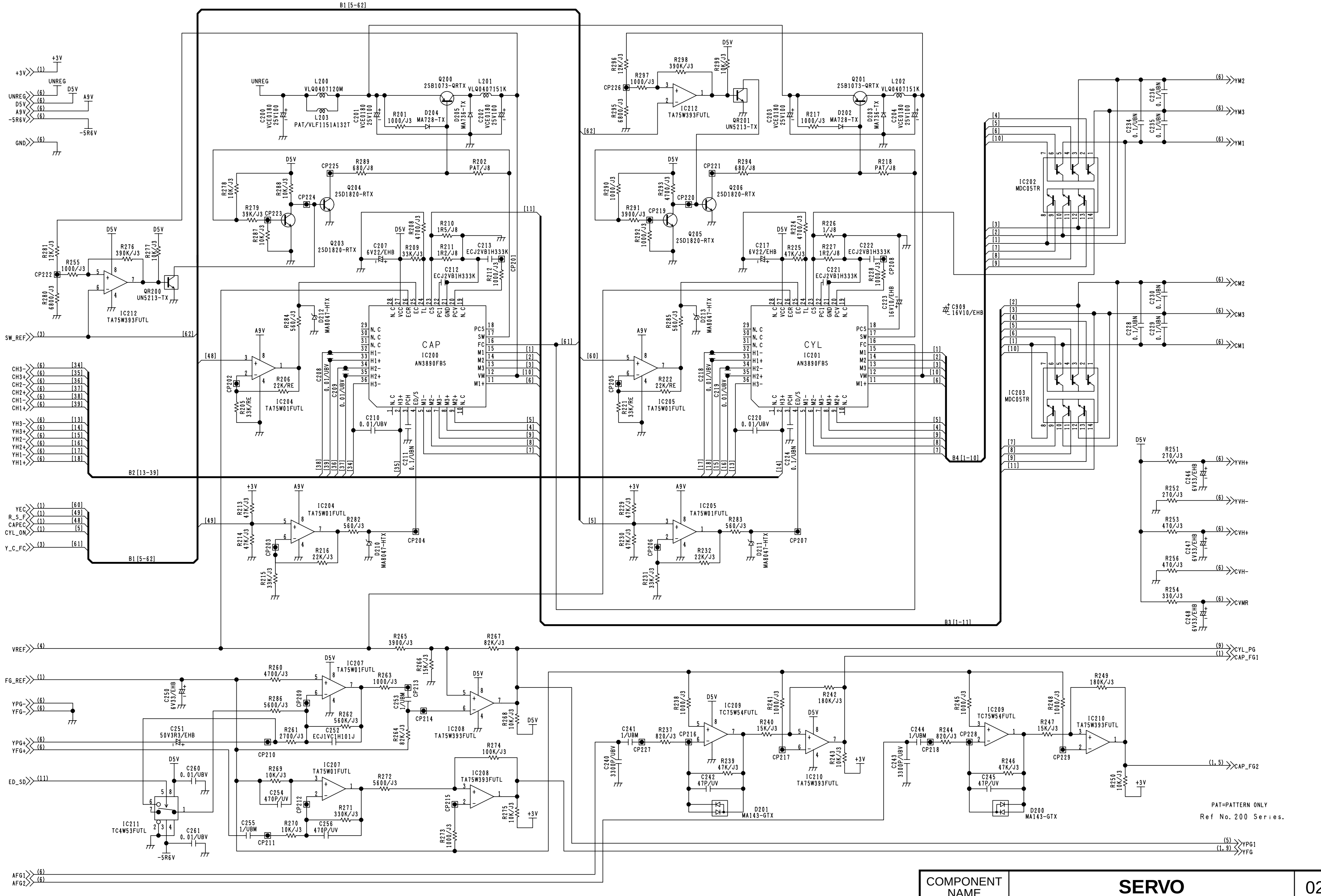
COMPONENT NAME	**SERVO**	01/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (1/11)-1 (2)	
	SCM075	


+3V
UNREG
D5V
A9V
-5R6V
GND
SW_REF
CH3-
CH3+
CH2-
CH2+
CH1-
CH1+
YH3-
YH3+
YH2-
YH2+
YH1-
YH1+
YEC
R_S_F
CAPEC
CYL_ON
Y_C_FC
VREF
FG_REF
YPG-
YFG-
YPG+
YFG+
ED_SD
AFG1
AFG2
B1[5-62]
B2[13-39]
B3[1-11]
B4[1-10]
L200 VLQ0407120M
L203 PAT/VLF1151A132T
Q200 2SB1073-QRTX
L201 VLQ0407151K
Q201 2SB1073-QRTX
L202 VLQ0407151K
D204 MA728-TX
D205 MA736-TX
D202 MA728-TX
D203 MA736-TX
IC212 TA75W393FUTL
QR200 UN5213-TX
QR201 UN5213-TX
Q203 2SD1820-RTX
Q204 2SD1820-RTX
Q205 2SD1820-RTX
Q206 2SD1820-RTX
CAP
IC200
AN3890FBS
CYL
IC201
AN3890FBS
IC204 TA75W01FUTL
IC205 TA75W01FUTL
D212 MA8047-HTX
D213 MA8047-HTX
D210 MA8047-HTX
D211 MA8047-HTX
IC202 MDC05TR
IC203 MDC05TR
C909 16V10/EHB
YM2
YM3
YM1
CM2
CM3
CM1
YVH+
YVH-
CVH+
CVH-
CVMR
IC207 TA75W01FUTL
IC208 TA75W393FUTL
IC209 TC75W54FUTL
IC210 TA75W393FUTL
IC211 TC4W53FUTL
D201 MA143-GTX
D200 MA143-GTX
CYL_PG
CAP_FG1
CAP_FG2
YPG1
YFG
PAT=PATTERN ONLY
Ref No. 200 Series.
A
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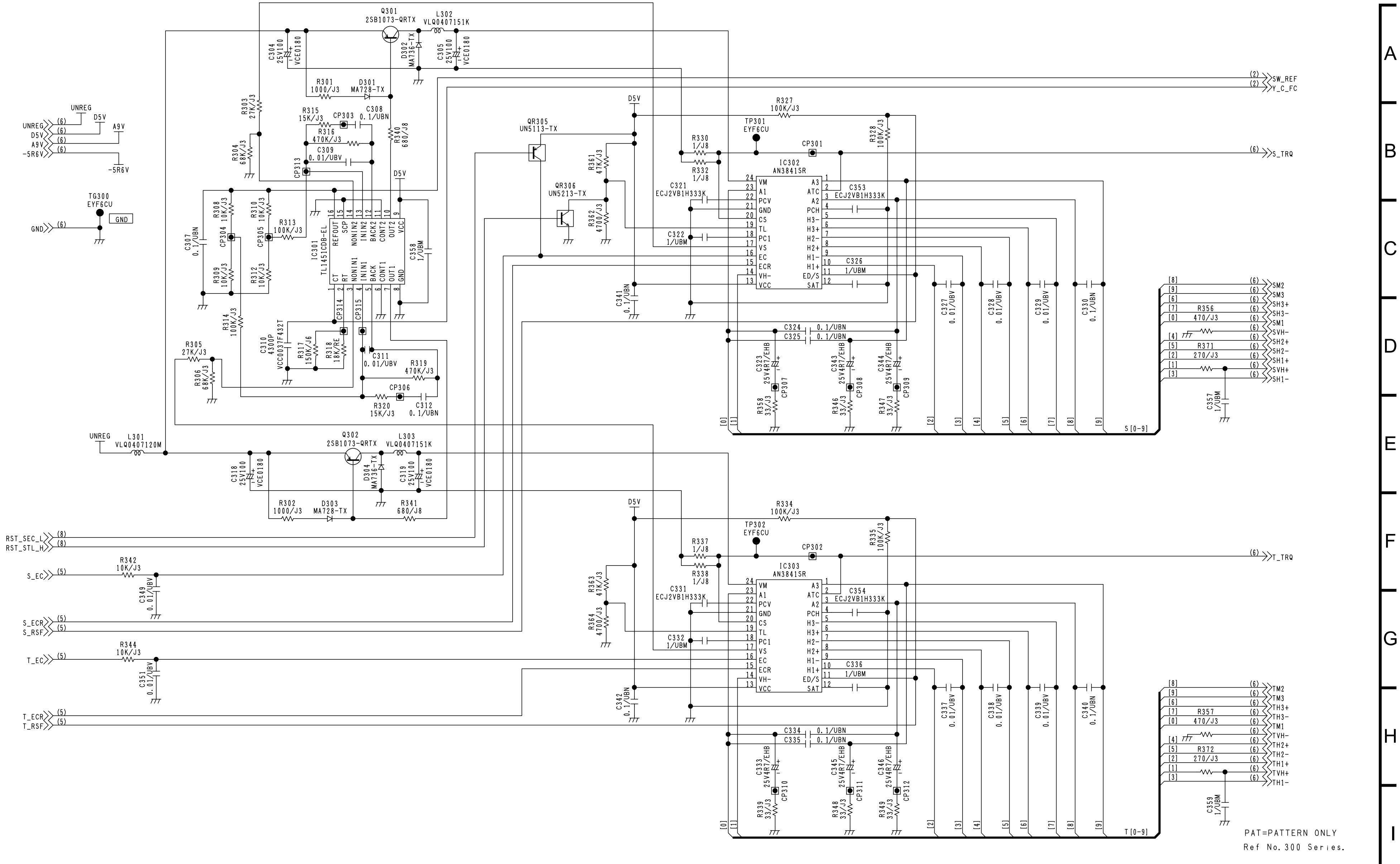
COMPONENT NAME	SERVO	02/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (2/11)-1 (2)	
	SCM076	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


Q301
2SB1073-QRTX
L302
VLQ0407151K
C304
25V100
VCE0180
D302
MA736-TX
C305
25V100
VCE0180
R301
1000/J3
D301
MA728-TX
R303
27K/J3
R304
68K/J3
R315
15K/J3
CP303
C308
0.1/UBN
R316
470K/J3
C309
0.01/UBV
CP313
R340
680/J8
D5V
IC301
TL1451CDB-EL
REFOUT
SCP
NONIN2
ININ2
BACK2
CONT2
OUT2
VCC
CT
RT
NONIN1
ININ1
BACK1
CONT1
OUT1
GND
R308
10K/J3
R310
10K/J3
R313
100K/J3
C307
0.1/UBN
CP304
CP305
R309
10K/J3
R312
10K/J3
C358
1/UBM
R314
100K/J3
CP314
CP315
C310
4300P
VCC0037F432T
R317
150K/J6
R318
18K/RE
C311
0.01/UBV
R319
470K/J3
R305
27K/J3
R306
68K/J3
CP306
R320
15K/J3
C312
0.1/UBN
UNREG
D5V
A9V
-5R6V
TG300
EYF6CU
GND
QR305
UN5113-TX
QR306
UN5213-TX
R361
47K/J3
R362
4700/J3
C341
0.1/UBN
TP301
EYF6CU
R327
100K/J3
R328
100K/J3
R330
1/J8
R332
1/J8
CP301
IC302
AN3841SR
VM
A1
PCV
GND
CS
TL
PC1
VS
EC
ECR
VH-
VCC
A3
ATC
A2
PCH
H3-
H3+
H2-
H2+
H1-
H1+
ED/S
SAT
C321
ECJ2VB1H333K
C353
ECJ2VB1H333K
C322
1/UBM
C326
1/UBM
C327
0.01/UBV
C328
0.01/UBV
C329
0.01/UBV
C330
0.1/UBN
C324
0.1/UBN
C325
0.1/UBN
C323
25V4R7/EHB
C343
25V4R7/EHB
C344
25V4R7/EHB
CP307
CP308
CP309
R358
33/J3
R346
33/J3
R347
33/J3
S[0-9]
SW_REF
Y_C_FC
S_TRQ
SM2
SM3
SH3+
SH3-
SM1
SVH-
SH2+
SH2-
SH1+
SVH+
SH1-
R356
470/J3
R371
270/J3
C357
1/UBM
UNREG
L301
VLQ0407120M
Q302
2SB1073-QRTX
L303
VLQ0407151K
C318
25V100
VCE0180
D304
MA736-TX
C319
25V100
VCE0180
R302
1000/J3
D303
MA728-TX
R341
680/J8
RST_SEC_L
RST_STL_H
S_EC
R342
10K/J3
C349
0.01/UBV
S_ECR
S_RSF
T_EC
R344
10K/J3
C351
0.01/UBV
T_ECR
T_RSF
D5V
R363
47K/J3
R364
4700/J3
C342
0.1/UBN
TP302
EYF6CU
R334
100K/J3
R335
100K/J3
R337
1/J8
R338
1/J8
CP302
IC303
AN3841SR
C331
ECJ2VB1H333K
C354
ECJ2VB1H333K
C332
1/UBM
C336
1/UBM
C337
0.01/UBV
C338
0.01/UBV
C339
0.01/UBV
C340
0.1/UBN
C334
0.1/UBN
C335
0.1/UBN
C333
25V4R7/EHB
C345
25V4R7/EHB
C346
25V4R7/EHB
CP310
CP311
CP312
R339
33/J3
R348
33/J3
R349
33/J3
T[0-9]
T_TRQ
TM2
TM3
TH3+
TH3-
TM1
TVH-
TH2+
TH2-
TH1+
TVH+
TH1-
R357
470/J3
R372
270/J3
C359
1/UBM
A
B
C
D
E
F
G
H
I
J
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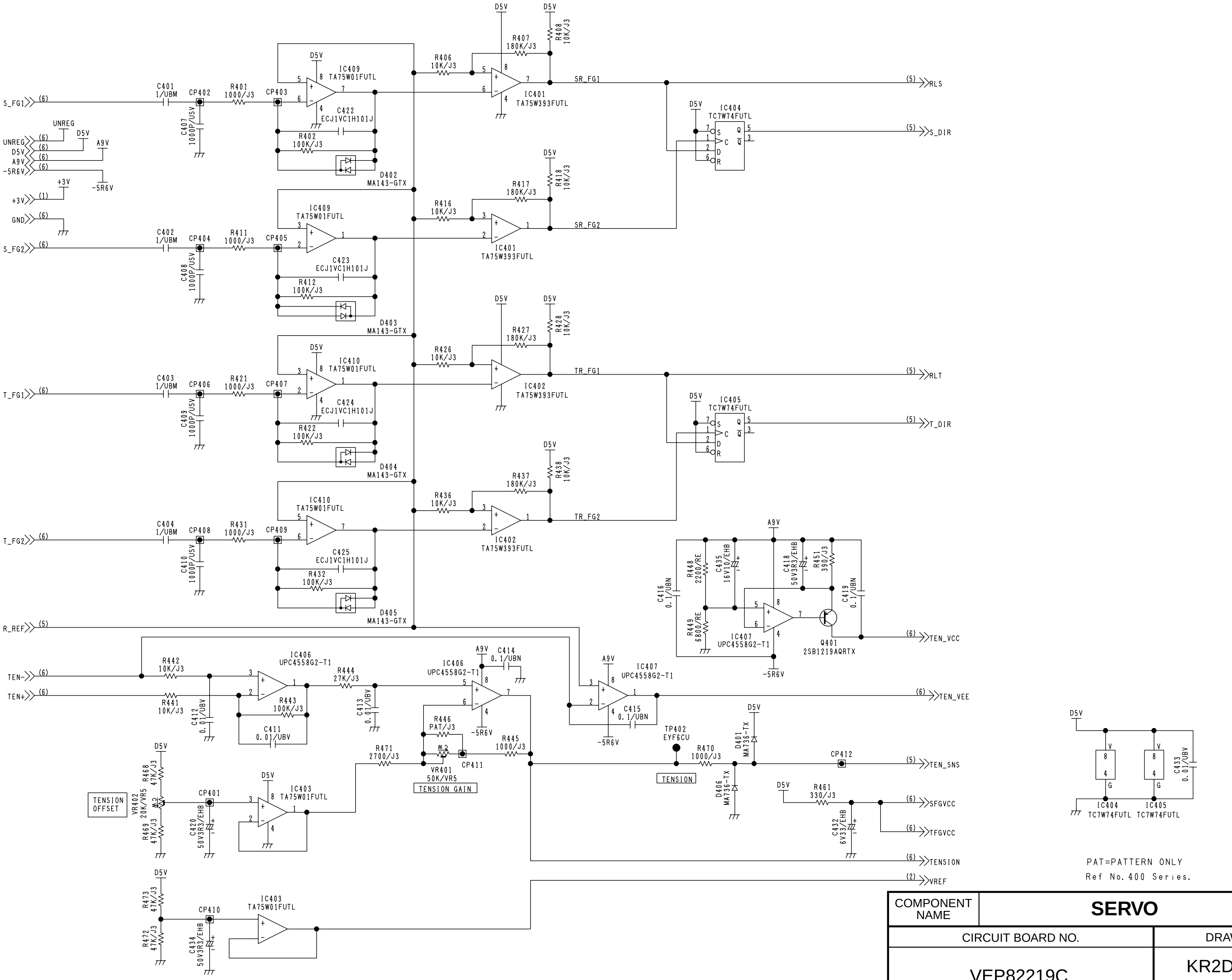
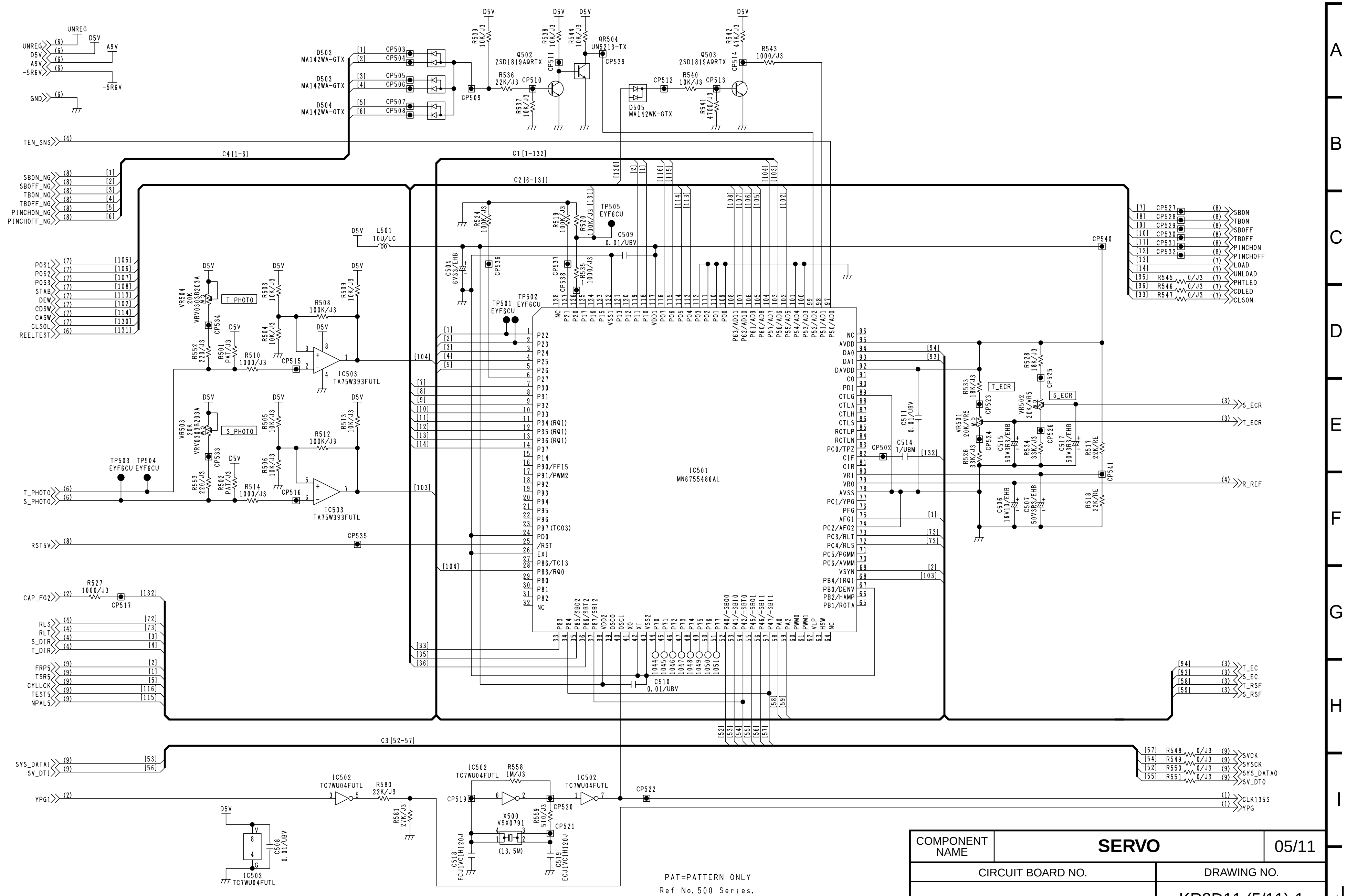
PAT=PATTERN ONLY
Ref No. 300 Series.

COMPONENT NAME	SERVO	03/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (3/11) (2)	
	SCM077	


S_FG1
S_FG2
T_FG1
T_FG2
UNREG
D5V
A9V
-5R6V
+3V
GND
R_REF
TEN-
TEN+
C401 1/UBM
C402 1/UBM
C403 1/UBM
C404 1/UBM
CP402
CP403
CP404
CP405
CP406
CP407
CP408
CP409
C407 1000P/USV
C408 1000P/USV
C409 1000P/USV
C410 1000P/USV
R401 1000/J3
R411 1000/J3
R421 1000/J3
R431 1000/J3
IC409 TA75W01FUTL
IC410 TA75W01FUTL
C422 ECJ1VC1H101J
C423 ECJ1VC1H101J
C424 ECJ1VC1H101J
C425 ECJ1VC1H101J
R402 100K/J3
R412 100K/J3
R422 100K/J3
R432 100K/J3
D402 MA143-GTX
D403 MA143-GTX
D404 MA143-GTX
D405 MA143-GTX
R406 10K/J3
R416 10K/J3
R426 10K/J3
R436 10K/J3
R407 180K/J3
R417 180K/J3
R427 180K/J3
R437 180K/J3
R408 10K/J3
R418 10K/J3
R428 10K/J3
R438 10K/J3
IC401 TA75W393FUTL
IC402 TA75W393FUTL
SR_FG1
SR_FG2
TR_FG1
TR_FG2
IC404 TC7W74FUTL
IC405 TC7W74FUTL
S C D R Q Q̄
(5) RLS
(5) S_DIR
(5) RLT
(5) T_DIR
A9V
R448 2200/RE
R449 6800/RE
C416 0.1/UBN
C435 16V10/EHB
C418 50V3R3/EHB
R451 390/J3
C419 0.1/UBN
IC407 UPC4558G2-T1
Q401 2SB1219AQRTX
(6) TEN_VCC
R442 10K/J3
R441 10K/J3
C412 0.01/UBV
IC406 UPC4558G2-T1
R443 100K/J3
C411 0.01/UBV
R444 27K/J3
C413 0.01/UBV
C414 0.1/UBN
R446 PAT/J3
VR401 50K/VR5
TENSION GAIN
CP411
R445 1000/J3
R471 2700/J3
C415 0.1/UBN
(6) TEN_VEE
TP402 EYF6CU
TENSION
R470 1000/J3
D401 MA736-TX
D406 MA736-TX
CP412
(5) TEN_SNS
R461 330/J3
C432 6V33/EHB
(6) SFGVCC
(6) TFGVCC
(6) TENSION
(2) VREF
R468 47K/J3
VR402 20K/VR5
R469 47K/J3
TENSION OFFSET
CP401
C420 50V3R3/EHB
IC403 TA75W01FUTL
R473 47K/J3
R472 47K/J3
CP410
C434 50V3R3/EHB
C433 0.01/UBV
IC404 TC7W74FUTL
IC405 TC7W74FUTL
PAT=PATTERN ONLY
Ref No. 400 Series.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

COMPONENT NAME	SERVO	04/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (4/11) (2)	
	SCM078	


IC501
MN6755486AL
IC502
TC7WU04FUTL
IC503
TA75W393FUTL
Q502
2SD1819AQRTX
Q503
2SD1819AQRTX
QR504
UN5213-TX
D502
MA142WA-GTX
D503
MA142WA-GTX
D504
MA142WA-GTX
D505
MA142WK-GTX
X500
VSX0791
(13.5M)
L501
10U/LC
VR503
VR504
VR501
VR502
T_PHOTO
S_PHOTO
T_ECR
S_ECR
UNREG
D5V
A9V
-5R6V
GND
TEN_SNS
SBON_NG
SBOFF_NG
TBON_NG
TBOFF_NG
PINCHON_NG
PINCHOFF_NG
POS1
POS2
POS3
STAB
DEW
CDSW
CASW
CLSOL
REELTEST
RST5V
CAP_FG2
RLS
RLT
S_DIR
T_DIR
FRP5
TSR5
CYLLCK
TEST5
NPAL5
SYS_DATAI
SV_DTI
YPG1
SBON
TBON
SBOFF
TBOFF
PINCHON
PINCHOFF
LOAD
UNLOAD
PHTLED
CDLED
CLSON
S_ECR
T_ECR
R_REF
T_EC
S_EC
T_RSF
S_RSF
SVCK
SYSCK
SYS_DATAO
SV_DTO
CLK135S
YPG
C1 [1-132]
C2 [6-131]
C3 [52-57]
C4 [1-6]
TP501
TP502
TP503
TP504
TP505
EYF6CU
A
B
C
D
E
F
G
H
I
J
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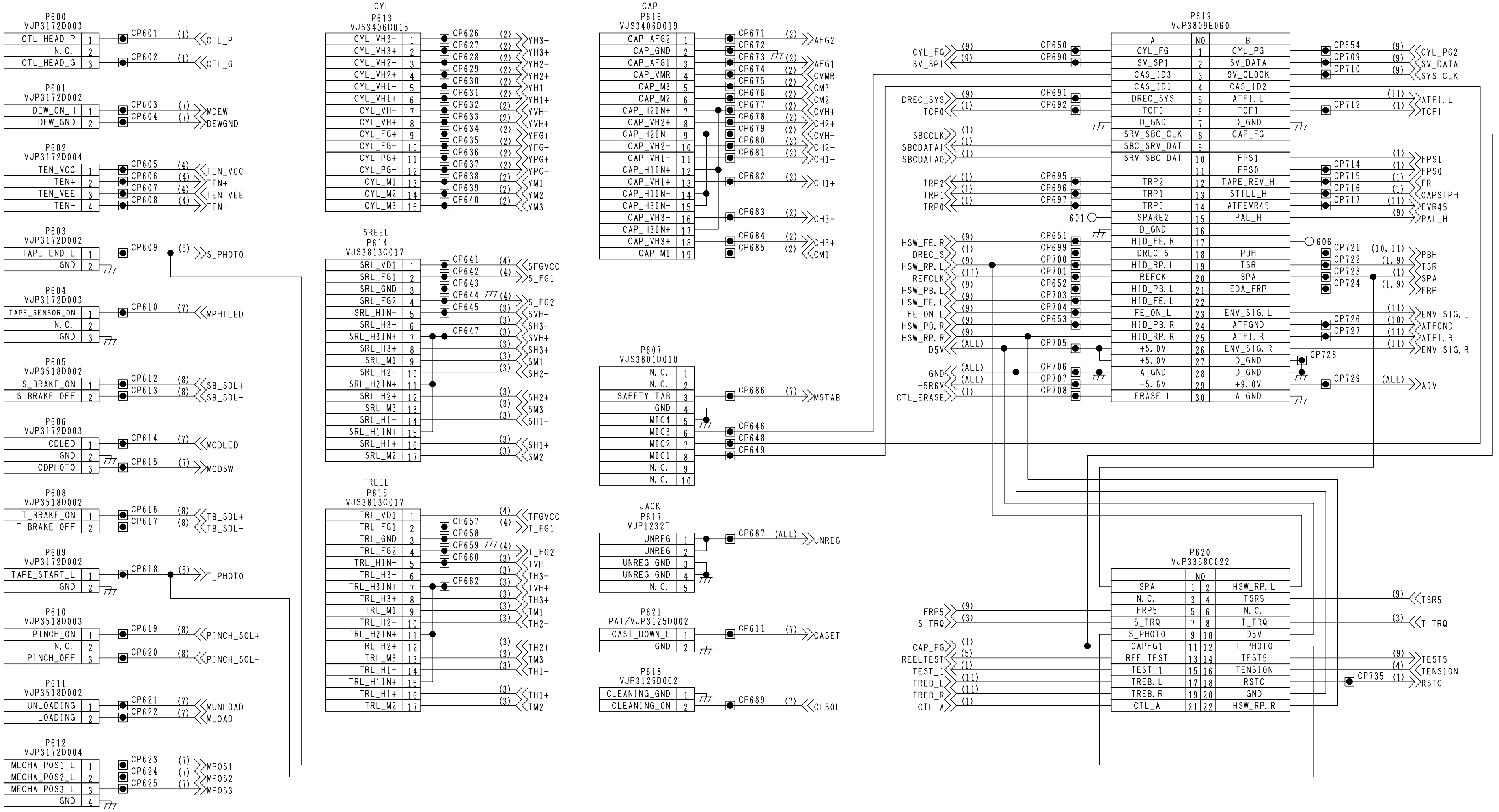
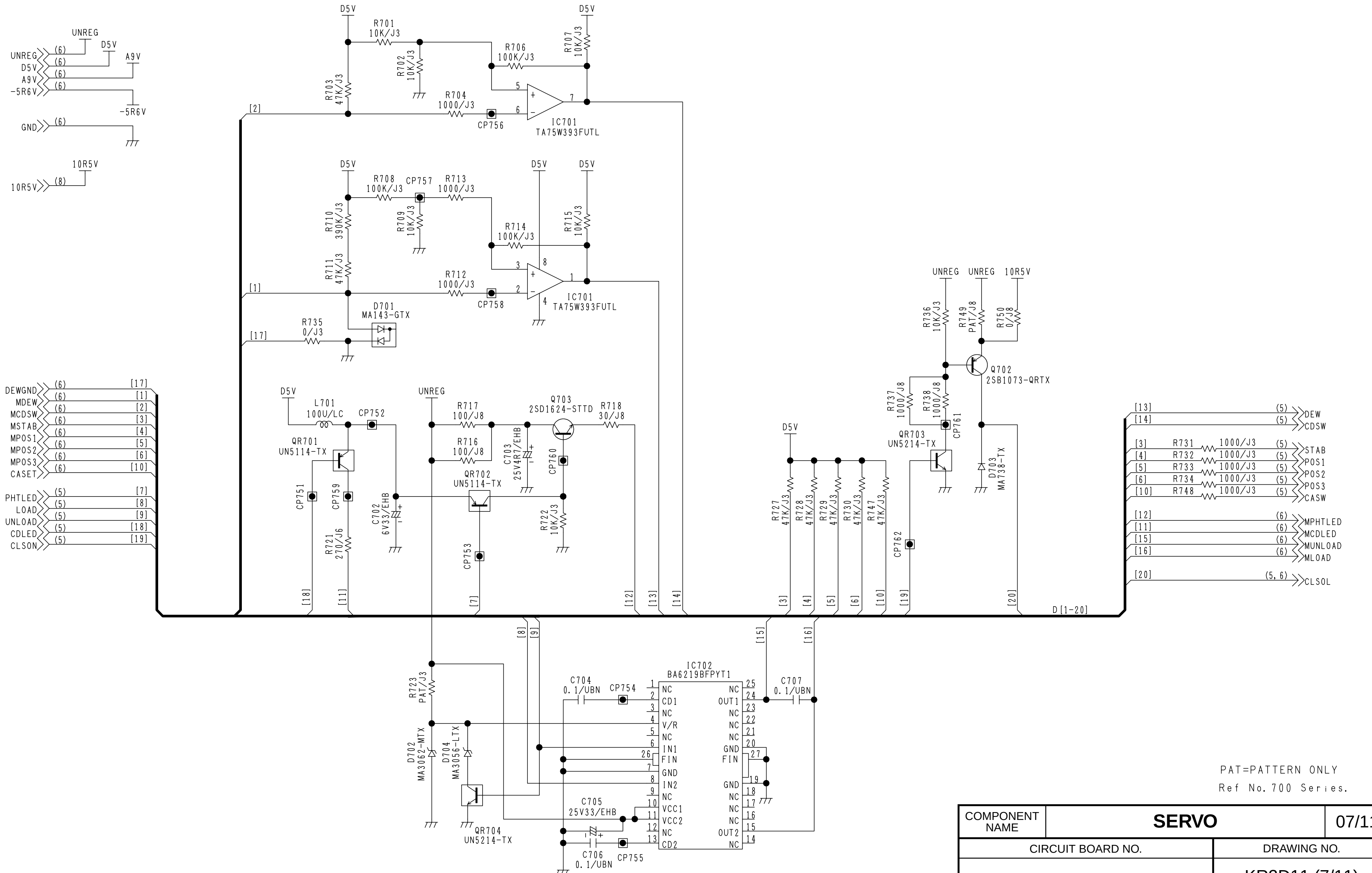
PAT=PATTERN ONLY
Ref No.500 Series.

COMPONENT NAME	SERVO	05/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (5/11)-1 (2)	
	SCM079	


P600
VJP3172D003
CTL_HEAD_P
N.C.
CTL_HEAD_G
CP601
CP602
CTL_P
CTL_G
P601
VJP3172D002
DEW_ON_H
DEW_GND
CP603
CP604
MDEW
DEWGND
P602
VJP3172D004
TEN_VCC
TEN+
TEN_VEE
TEN-
CP605
CP606
CP607
CP608
P603
VJP3172D002
TAPE_END_L
GND
CP609
S_PHOTO
P604
VJP3172D003
TAPE_SENSOR_ON
N.C.
GND
CP610
MPHTLED
P605
VJP3518D002
S_BRAKE_ON
S_BRAKE_OFF
CP612
CP613
SB_SOL+
SB_SOL-
P606
VJP3172D003
CDLED
GND
CDPHOTO
CP614
CP615
MCDLED
MCDSW
P608
VJP3518D002
T_BRAKE_ON
T_BRAKE_OFF
CP616
CP617
TB_SOL+
TB_SOL-
P609
VJP3172D002
TAPE_START_L
GND
CP618
T_PHOTO
P610
VJP3518D003
PINCH_ON
N.C.
PINCH_OFF
CP619
CP620
PINCH_SOL+
PINCH_SOL-
P611
VJP3518D002
UNLOADING
LOADING
CP621
CP622
MUNLOAD
MLOAD
P612
VJP3172D004
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
GND
CP623
CP624
CP625
MPOS1
MPOS2
MPOS3
CYL
P613
VJS3406D015
CYL_VH3-
CYL_VH3+
CYL_VH2-
CYL_VH2+
CYL_VH1-
CYL_VH1+
CYL_VH-
CYL_VH+
CYL_FG+
CYL_FG-
CYL_PG+
CYL_PG-
CYL_M1
CYL_M2
CYL_M3
CP626 … CP640
YH3-
YH3+
YH2-
YH2+
YH1-
YH1+
YVH-
YVH+
YFG+
YFG-
YPG+
YPG-
YM1
YM2
YM3
SREEL
P614
VJS3813C017
SRL_VD1
SRL_FG1
SRL_GND
SRL_FG2
SRL_H1N-
SRL_H3-
SRL_H3IN+
SRL_H3+
SRL_M1
SRL_H2-
SRL_H2IN+
SRL_H2+
SRL_M3
SRL_H1-
SRL_H1IN+
SRL_H1+
SRL_M2
CP641
CP642
CP643
CP644
CP645
CP647
SFGVCC
S_FG1
S_FG2
SVH-
SH3-
SVH+
SH3+
SM1
SH2-
SH2+
SM3
SH1-
SH1+
SM2
TREEL
P615
VJS3813C017
TRL_VD1
TRL_FG1
TRL_GND
TRL_FG2
TRL_HIN-
TRL_H3-
TRL_H3IN+
TRL_H3+
TRL_M1
TRL_H2-
TRL_H2IN+
TRL_H2+
TRL_M3
TRL_H1-
TRL_H1IN+
TRL_H1+
TRL_M2
CP657
CP658
CP659
CP660
CP662
TFGVCC
T_FG1
T_FG2
TVH-
TH3-
TVH+
TH3+
TM1
TH2-
TH2+
TM3
TH1-
TH1+
TM2
CAP
P616
VJS3406D019
CAP_AFG2
CAP_GND
CAP_AFG1
CAP_VMR
CAP_M3
CAP_M2
CAP_H2IN+
CAP_VH2+
CAP_H2IN-
CAP_VH2-
CAP_VH1-
CAP_H1IN+
CAP_VH1+
CAP_H1IN-
CAP_H3IN-
CAP_VH3-
CAP_H3IN+
CAP_VH3+
CAP_M1
CP671 … CP685
AFG2
AFG1
CVMR
CM3
CM2
CVH+
CH2+
CVH-
CH2-
CH1-
CH1+
CH3-
CH3+
CM1
P607
VJS3801D010
N.C.
N.C.
SAFETY_TAB
GND
MIC4
MIC3
MIC2
MIC1
N.C.
N.C.
CP686
MSTAB
CP646
CP648
CP649
JACK
P617
VJP1232T
UNREG
UNREG
UNREG GND
UNREG GND
N.C.
CP687
UNREG
P621
PAT/VJP3125D002
CAST_DOWN_L
GND
CP611
CASET
P618
VJP3125D002
CLEANING_GND
CLEANING_ON
CP689
CLSOL
P619
VJP3809E060
A
NO
B
CYL_FG
CYL_PG
SV_SP1
SV_DATA
CAS_ID3
SV_CLOCK
CAS_ID1
CAS_ID2
DREC_SYS
ATFI.L
TCF0
TCF1
D_GND
D_GND
SRV_SBC_CLK
CAP_FG
SBC_SRV_DAT
SRV_SBC_DAT
FPS1
FPS0
TRP2
TAPE_REV_H
TRP1
STILL_H
TRP0
ATFEVR45
SPARE2
PAL_H
D_GND
HID_FE.R
DREC_S
PBH
HID_RP.L
TSR
REFCK
SPA
HID_PB.L
EDA_FRP
HID_FE.L
FE_ON_L
ENV_SIG.L
HID_PB.R
ATFGND
HID_RP.R
ATFI.R
+5.0V
ENV_SIG.R
+5.0V
D_GND
A_GND
D_GND
-5.6V
+9.0V
ERASE_L
A_GND
CYL_FG
SV_SPI
DREC_SYS
TCF0
SBCCLK
SBCDATAI
SBCDATAO
TRP2
TRP1
TRP0
601
HSW_FE.R
DREC_S
HSW_RP.L
REFCLK
HSW_PB.L
HSW_FE.L
FE_ON_L
HSW_PB.R
HSW_RP.R
D5V
GND
-5R6V
CTL_ERASE
CP650
CP690
CP691
CP692
CP695
CP696
CP697
CP651
CP699
CP700
CP701
CP652
CP703
CP704
CP653
CP705
CP706
CP707
CP708
CP654
CP709
CP710
CP712
CP714
CP715
CP716
CP717
606
CP721
CP722
CP723
CP724
CP726
CP727
CP728
CP729
CYL_PG2
SV_DATA
SYS_CLK
ATFI.L
TCF1
FPS1
FPS0
FR
CAPSTPH
EVR45
PAL_H
PBH
TSR
SPA
FRP
ENV_SIG.L
ATFGND
ATFI.R
ENV_SIG.R
A9V
P620
VJP3358C022
NO
SPA
HSW_RP.L
N.C.
TSR5
FRP5
N.C.
S_TRQ
T_TRQ
S_PHOTO
D5V
CAPFG1
T_PHOTO
REELTEST
TEST5
TEST_1
TENSION
TREB.L
RSTC
TREB.R
GND
CTL_A
HSW_RP.R
FRP5
S_TRQ
CAP_FG
REELTEST
TEST_1
TREB_L
TREB_R
CTL_A
TSR5
T_TRQ
TEST5
TENSION
CP735
RSTC

Ref No.600 Series.

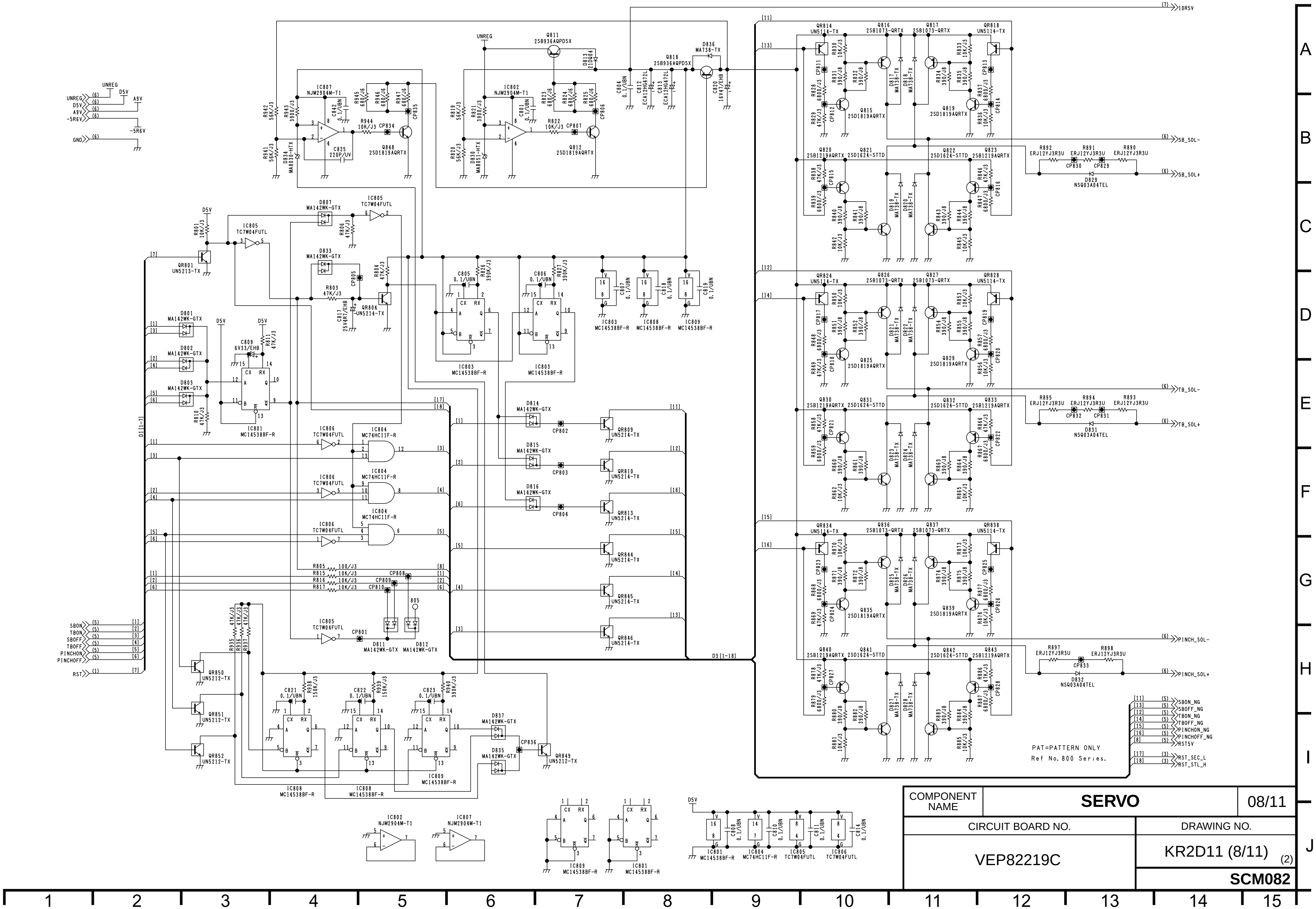
COMPONENT NAME	SERVO		06/11
CIRCUIT BOARD NO.		DRAWING NO.	
VEP82219C		KR2D11 (6/11) (2)	
		SCM080	


UNREG
D5V
A9V
-5R6V
GND
10R5V
R701 10K/J3
R702 10K/J3
R703 47K/J3
R704 1000/J3
R706 100K/J3
R707 10K/J3
CP756
IC701 TA75W393FUTL
R708 100K/J3
CP757
R713 1000/J3
R709 10K/J3
R710 390K/J3
R711 47K/J3
R714 100K/J3
R715 10K/J3
R712 1000/J3
CP758
D701 MA143-GTX
R735 0/J3
DEWGND
MDEW
MCDSW
MSTAB
MPOS1
MPOS2
MPOS3
CASET
PHTLED
LOAD
UNLOAD
CDLED
CLSON
L701 100U/LC
CP752
QR701 UN5114-TX
CP751
CP759
C702 6V33/EHB
R721 270/J6
R717 100/J8
R716 100/J8
C703 25V4R7/EHB
Q703 2SD1624-STTD
R718 30/J8
CP760
QR702 UN5114-TX
R722 10K/J3
CP753
R727 47K/J3
R728 47K/J3
R729 47K/J3
R730 47K/J3
R747 47K/J3
R736 10K/J3
R749 PAT/J8
R750 0/J8
Q702 2SB1073-QRTX
R737 1000/J8
R738 1000/J8
CP761
QR703 UN5214-TX
CP762
D703 MA738-TX
R731 1000/J3
R732 1000/J3
R733 1000/J3
R734 1000/J3
R748 1000/J3
DEW
CDSW
STAB
POS1
POS2
POS3
CASW
MPHTLED
MCDLED
MUNLOAD
MLOAD
CLSOL
D[1-20]
R723 PAT/J3
D702 MA3062-MTX
D704 MA3056-LTX
QR704 UN5214-TX
C704 0.1/UBN
CP754
IC702 BA6219BFPYT1
C707 0.1/UBN
C705 25V33/EHB
C706 0.1/UBN
CP755
NC
CD1
V/R
IN1
FIN
GND
IN2
VCC1
VCC2
CD2
OUT1
OUT2

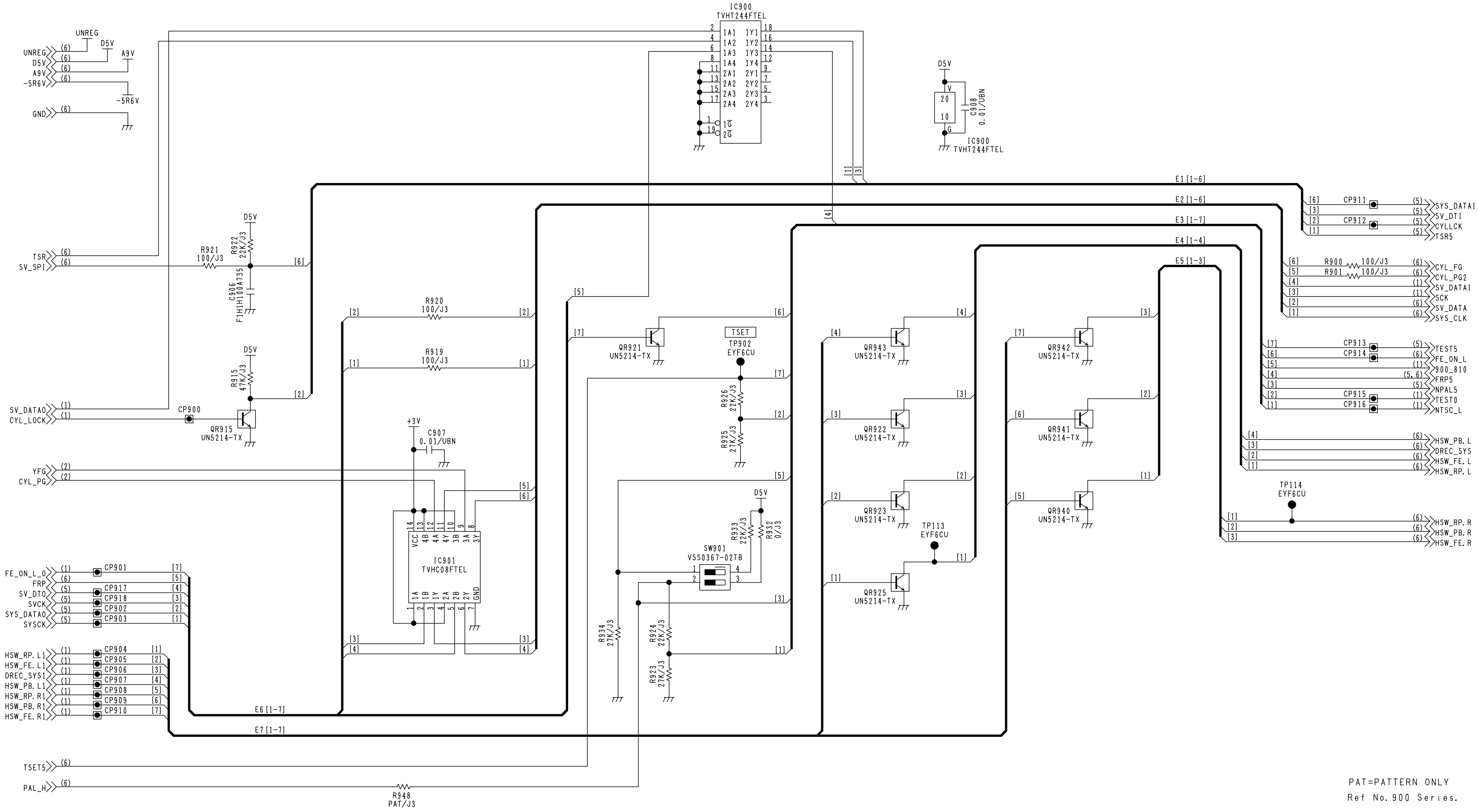
PAT=PATTERN ONLY

Ref No.700 Series.

COMPONENT NAME	SERVO	07/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (7/11) (2)	
	SCM081	

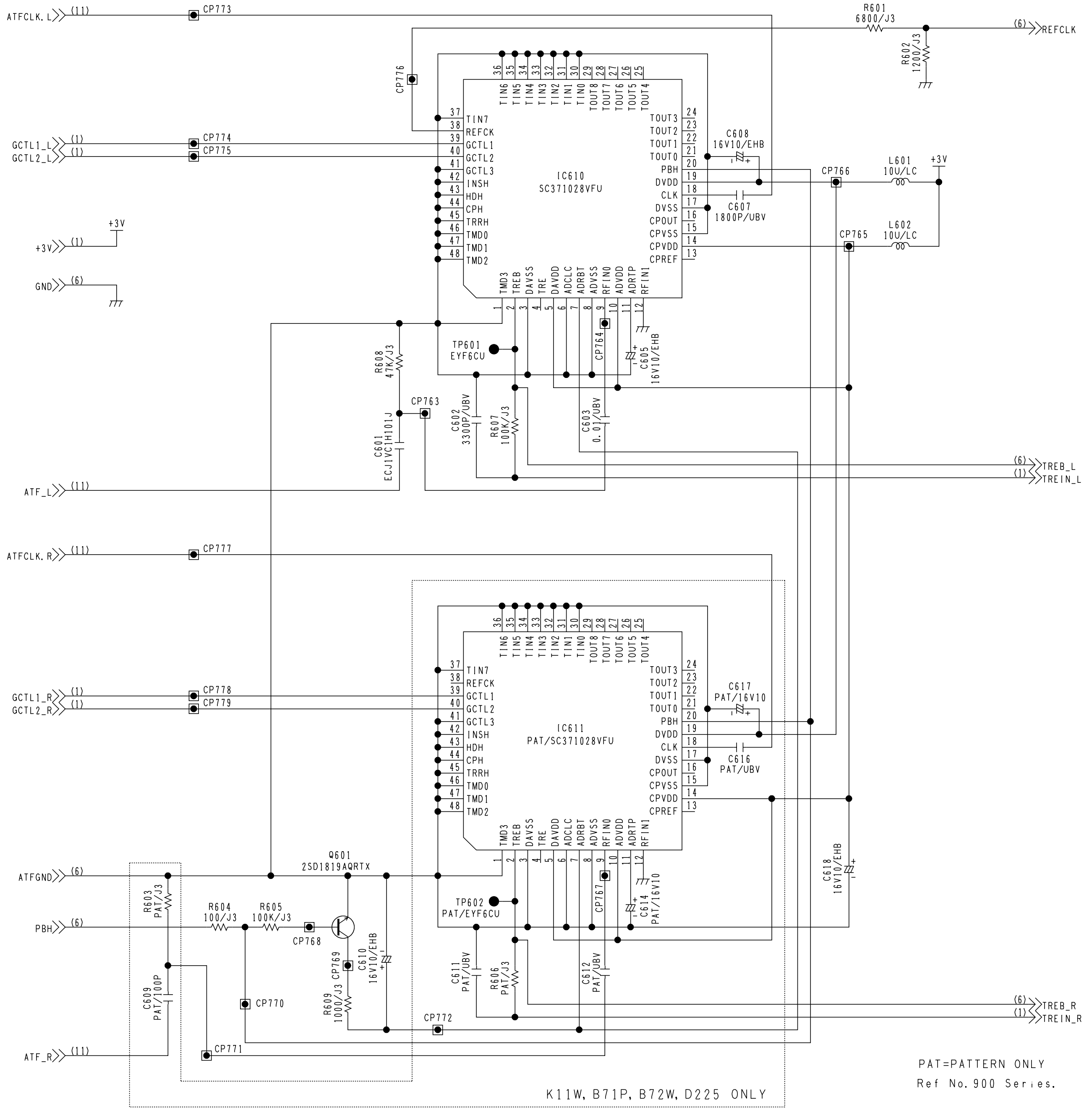

UNREG
D5V
A9V
-5R6V
GND
SBON
TBON
SBOFF
TBOFF
PINCHON
PINCHOFF
RST
10R5V
SB_SOL-
SB_SOL+
TB_SOL-
TB_SOL+
PINCH_SOL-
PINCH_SOL+
SBON_NG
SBOFF_NG
TBON_NG
TBOFF_NG
PINCHON_NG
PINCHOFF_NG
RST5V
RST_SEC_L
RST_STL_H
IC807 NJM2904M-T1
IC802 NJM2904M-T1
IC803 MC14538BF-R
IC801 MC14538BF-R
IC804 MC74HC11F-R
IC805 TC7W04FUTL
IC806 TC7W04FUTL
IC808 MC14538BF-R
IC809 MC14538BF-R
Q811 2SB936AQPDSX
Q818 2SB936AQPDSX
D836 MA738-TX
Q848 2SD1819AQRTX
Q812 2SD1819AQRTX
QR801 UN5213-TX
QR804 UN5214-TX
QR809 UN5214-TX
QR810 UN5214-TX
QR813 UN5214-TX
QR844 UN5214-TX
QR845 UN5214-TX
QR846 UN5214-TX
QR849 UN5212-TX
QR850 UN5212-TX
QR851 UN5212-TX
QR852 UN5212-TX
QR814 UN5114-TX
QR818 UN5114-TX
QR824 UN5114-TX
QR828 UN5114-TX
QR834 UN5114-TX
QR838 UN5114-TX
D829 NSQ03A04TEL
D831 NSQ03A04TEL
D832 NSQ03A04TEL
D3[1-18]
D1[1-7]
PAT=PATTERN ONLY
Ref No.800 Series.
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	SERVO	08/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (8/11) (2)	
	SCM082	


IC900
TVHT244FTEL
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
D5V
C908
0.01/UBN
IC900
TVHT244FTEL
UNREG
D5V
A9V
-5R6V
GND
UNREG
D5V
A9V
-5R6V
TSR
SV_SPI
R921
100/J3
D5V
R922
22K/J3
C906
F1H1H100A735
R920
100/J3
R919
100/J3
D5V
R915
47K/J3
SV_DATAO
CYL_LOCK
CP900
QR915
UN5214-TX
+3V
C907
0.01/UBN
YFG
CYL_PG
IC901
TVHC08FTEL
VCC 4B 4A 4Y 3B 3A 3Y
1A 1B 1Y 2A 2B 2Y GND
FE_ON_L_O
FRP
SV_DTO
SVCK
SYS_DATAO
SYSCK
CP901
CP917
CP918
CP902
CP903
HSW_RP.L1
HSW_FE.L1
DREC_SYS1
HSW_PB.L1
HSW_RP.R1
HSW_PB.R1
HSW_FE.R1
CP904
CP905
CP906
CP907
CP908
CP909
CP910
E6[1-7]
E7[1-7]
TSET5
PAL_H
R948
PAT/J3
QR921
UN5214-TX
TSET
TP902
EYF6CU
R926
22K/J3
R925
27K/J3
D5V
R933
22K/J3
R932
0/J3
SW901
VSS0367-02TB
R934
27K/J3
R924
22K/J3
R923
27K/J3
QR943
UN5214-TX
QR922
UN5214-TX
QR923
UN5214-TX
QR925
UN5214-TX
TP113
EYF6CU
QR942
UN5214-TX
QR941
UN5214-TX
QR940
UN5214-TX
TP114
EYF6CU
E1[1-6]
E2[1-6]
E3[1-7]
E4[1-4]
E5[1-3]
CP911
CP912
SYS_DATAI
SV_DTI
CYLLCK
TSR5
R900
100/J3
R901
100/J3
CYL_FG
CYL_PG2
SV_DATAI
SCK
SV_DATA
SYS_CLK
CP913
CP914
CP915
CP916
TEST5
FE_ON_L
900_810
FRP5
NPAL5
TEST0
NTSC_L
HSW_PB.L
DREC_SYS
HSW_FE.L
HSW_RP.L
HSW_RP.R
HSW_PB.R
HSW_FE.R

PAT=PATTERN ONLY
Ref No. 900 Series.

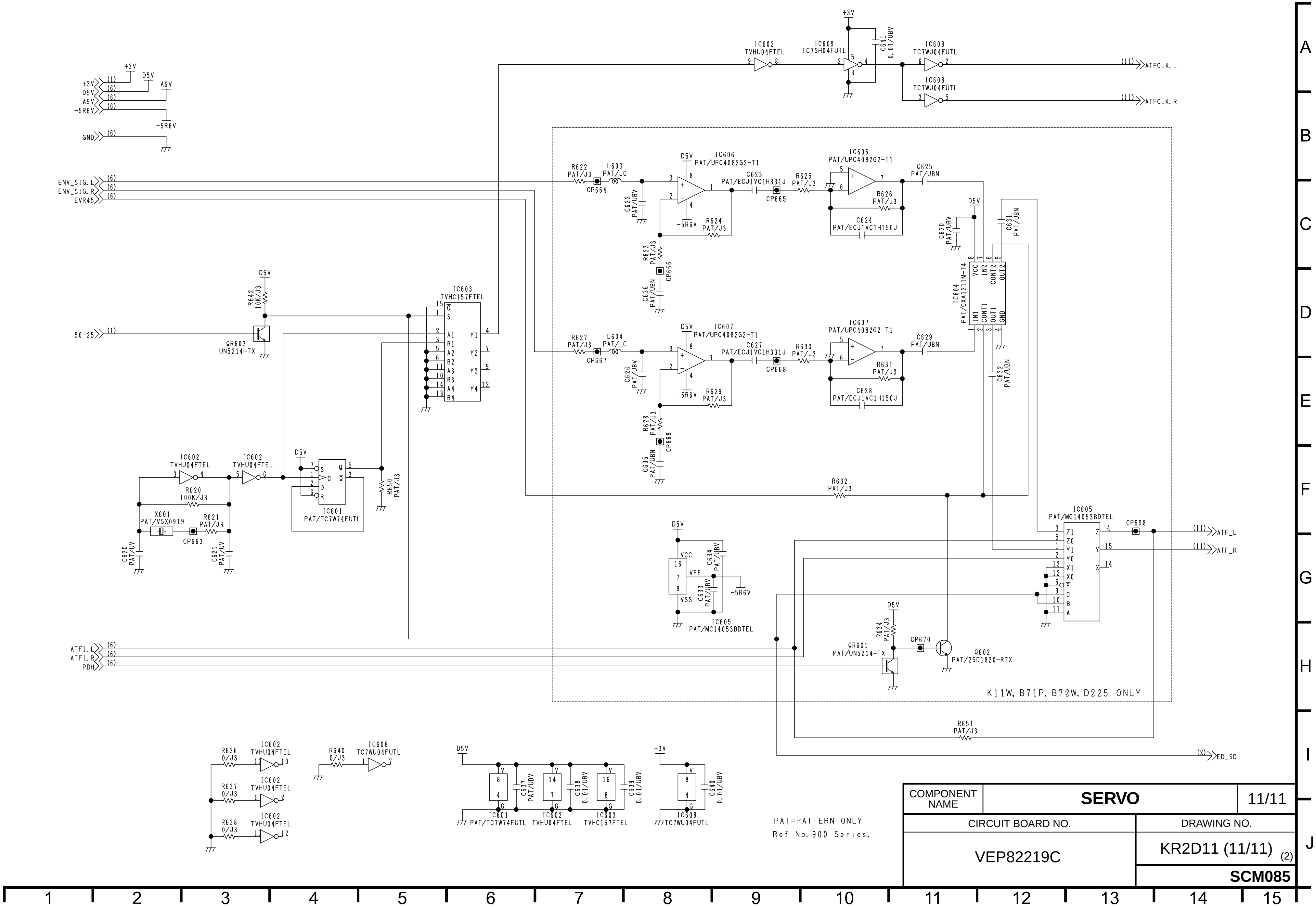
COMPONENT NAME	SERVO	09/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (9/11) (2)	
	SCM083	


ATFCLK_L (11)
CP773
R601 6800/J3
R602 1200/J3
(6) REFCLK
CP776
GCTL1_L (1)
GCTL2_L (1)
CP774
CP775
+3V (1)
+3V
GND (6)
IC610
SC371028VFU
TIN6 TIN5 TIN4 TIN3 TIN2 TIN1 TIN0 TOUT8 TOUT7 TOUT6 TOUT5 TOUT4
TIN7 REFCK GCTL1 GCTL2 GCTL3 INSH HDH CPH TRRH TMD0 TMD1 TMD2
TOUT3 TOUT2 TOUT1 TOUT0 PBH DVDD CLK DVSS CPOUT CPVSS CPVDD CPREF
TMD3 TREB DAVSS TRE DAVDD ADCLC ADRBT ADVSS RFIN0 ADVDD ADRTP RFIN1
C608 16V10/EHB
C607 1800P/UBV
CP766
L601 10U/LC
+3V
CP765
L602 10U/LC
TP601 EYF6CU
CP764
C605 16V10/EHB
R608 47K/J3
CP763
C602 3300P/UBV
R607 100K/J3
C603 0.01/UBV
C601 ECJ1VC1H101J
ATF_L (11)
(6) TREB_L
(1) TREIN_L
ATFCLK_R (11)
CP777
GCTL1_R (1)
GCTL2_R (1)
CP778
CP779
IC611
PAT/SC371028VFU
C617 PAT/16V10
C616 PAT/UBV
C618 16V10/EHB
ATFGND (6)
Q601 2SD1819AQRTX
TP602 PAT/EYF6CU
CP767
C614 PAT/16V10
PBH (6)
R603 PAT/J3
R604 100/J3
R605 100K/J3
CP768
CP769
C610 16V10/EHB
R609 1000/J3
C609 PAT/100P
CP770
CP772
C611 PAT/UBV
R606 PAT/J3
C612 PAT/UBV
(6) TREB_R
(1) TREIN_R
CP771
ATF_R (11)
K11W, B71P, B72W, D225 ONLY

PAT=PATTERN ONLY
Ref No. 900 Series.

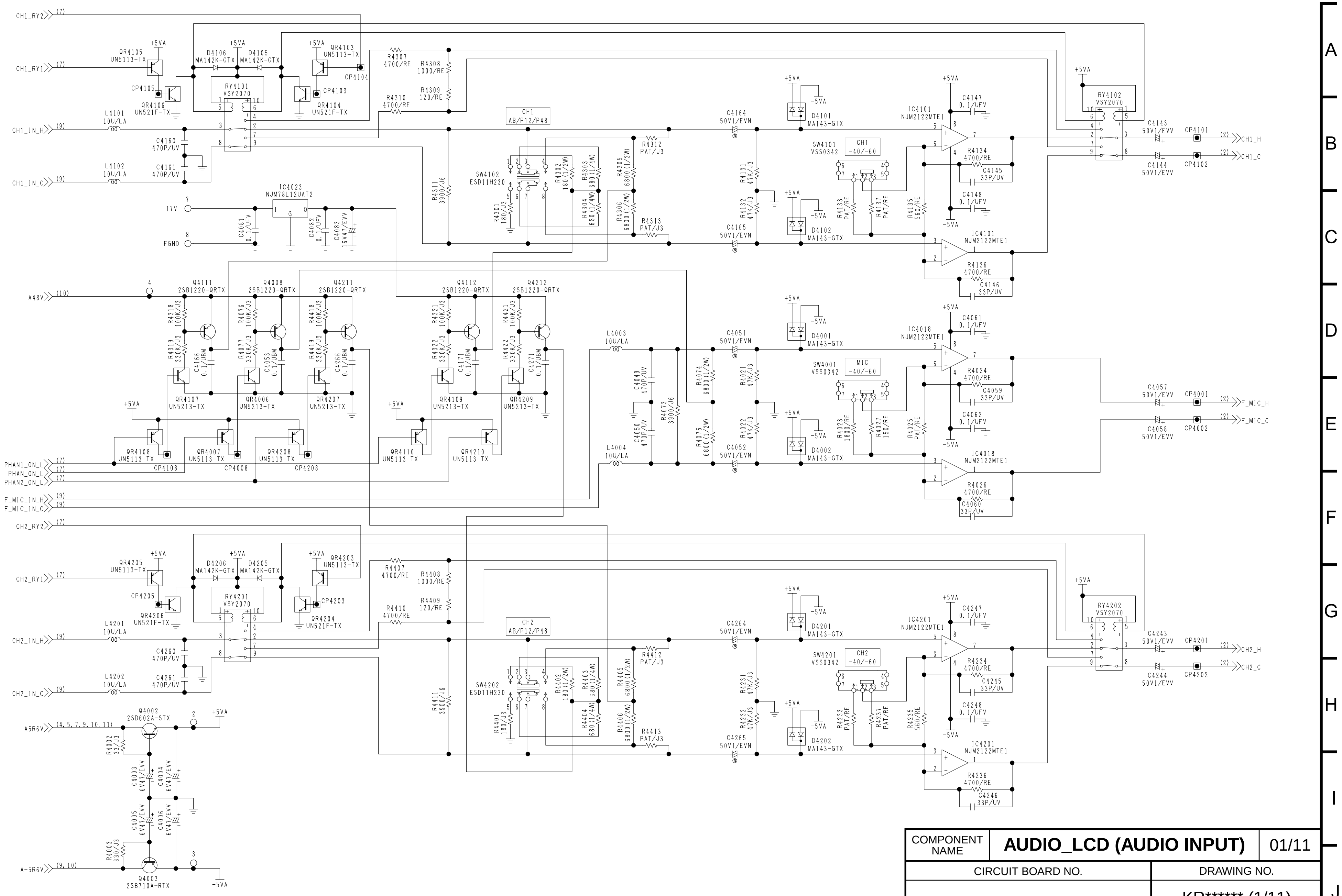
REF	
C609	ECJ1VC1H101J
C611	3300P/UBV
C612	0.01/UBV
C614	16V10/EVV
C616	1800P/UBV
C617	16V10/EVV
C620	5P/UV
C621	5P/UV
C622	1500P/UBV
C623	ECJ1VC1H331J
C624	ECJ1VC1H150J
C625	0.1/UBN
C626	1500P/UBV
C627	ECJ1VC1H331J
C628	ECJ1VC1H150J
C629	0.1/UBN
C630	0.01/UBV
C631	0.1/UBN
C632	0.1/UBN
C633	0.01/UBV
C634	0.01/UBV
C635	0.1/UBN
C636	0.1/UBN
C637	0.01/UBV
IC601	TC7W74FUTL
IC604	CXA1211M-T4
IC605	MC14053BDTEL
IC606	UPC4082G2-T1
IC607	UPC4082G2-T1
IC611	SC371028VFU
L603	100U/LC
L604	100U/LC
P621	*PAT
Q602	2SD1820-RTX
QR601	UN5214-TX
R198	*PAT/J3
R446	*PAT/J3
R501	*PAT/J3
R502	*PAT/J3
R603	47K/J3
R606	100K/J3
R621	270/J3
R622	120/J3
R623	1800/J3
R624	10K/J3
R625	2700/J3
R626	10K/J3
R627	120/J3
R628	1800/J3
R629	10K/J3
R630	2700/J3
R631	10K/J3
R632	10K/J3
R634	10K/J3
R650	*PAT/J3
R651	*PAT/J3
R723	*PAT/J3
R749	*PAT/J8
TP602	EYF6CU
X601	VSX0919

COMPONENT NAME	**SERVO**	10/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (10/11) (2)	
	SCM084	


+3V
D5V
A9V
-5R6V
GND
ENV_SIG.L
ENV_SIG.R
EVR45
50-25
ATFI.L
ATFI.R
PBH
IC602 TVHU04FTEL
IC609 TC7SH04FUTL
C641 0.01/UBV
IC608 TC7WU04FUTL
ATFCLK.L
ATFCLK.R
R622 PAT/J3
L603 PAT/LC
CP664
C622 PAT/UBV
IC606 PAT/UPC4082G2-T1
C623 PAT/ECJ1VC1H331J
CP665
R625 PAT/J3
C625 PAT/UBN
R626 PAT/J3
C624 PAT/ECJ1VC1H150J
R624 PAT/J3
R623 PAT/J3
CP666
C636 PAT/UBN
R627 PAT/J3
L604 PAT/LC
CP667
C626 PAT/UBV
IC607 PAT/UPC4082G2-T1
C627 PAT/ECJ1VC1H331J
CP668
R630 PAT/J3
C629 PAT/UBN
R631 PAT/J3
C628 PAT/ECJ1VC1H150J
R629 PAT/J3
R628 PAT/J3
CP669
C635 PAT/UBN
C630 PAT/UBV
C631 PAT/UBN
IC604 PAT/CXA1211M-T4
VCC IN2 CONT2 OUT2
IN1 CONT1 OUT1 GND
C632 PAT/UBN
R632 PAT/J3
IC605 PAT/MC14053BDTEL
Z1 Z0 Y1 Y0 X1 X0 E C B A
Z Y X
CP698
ATF_L
ATF_R
C634 PAT/UBV
C633 PAT/UBV
VCC VEE VSS
R642 10K/J3
QR603 UN5214-TX
IC603 TVHC157FTEL
G S A1 B1 A2 B2 A3 B3 A4 B4 Y1 Y2 Y3 Y4
R650 PAT/J3
IC601 PAT/TC7W74FUTL
S C D R Q Q̄
R620 100K/J3
X601 PAT/VSX0919
R621 PAT/J3
CP663
C620 PAT/UV
C621 PAT/UV
R634 PAT/J3
CP670
QR601 PAT/UN5214-TX
Q602 PAT/2SD1820-RTX
K11W, B71P, B72W, D225 ONLY
R651 PAT/J3
ED_SD
R636 0/J3
R637 0/J3
R638 0/J3
R640 0/J3
IC608 TC7WU04FUTL
C637 PAT/UBV
C638 0.01/UBV
C639 0.01/UBV
C640 0.01/UBV
IC601 PAT/TC7W74FUTL
IC602 TVHU04FTEL
IC603 TVHC157FTEL
IC608 TC7WU04FUTL
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY
Ref No. 900 Series.

COMPONENT NAME	SERVO	11/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82219C	KR2D11 (11/11) (2)	
	SCM085	


CH1_RY2 (7)
CH1_RY1 (7)
CH1_IN_H (9)
CH1_IN_C (9)
QR4105 UN5113-TX
QR4106 UN521F-TX
CP4105
+5VA
D4106 MA142K-GTX
D4105 MA142K-GTX
RY4101 VSY2070
QR4103 UN5113-TX
QR4104 UN521F-TX
CP4103
CP4104
L4101 10U/LA
L4102 10U/LA
C4160 470P/UV
C4161 470P/UV
R4307 4700/RE
R4308 1000/RE
R4309 120/RE
R4310 4700/RE
R4311 3900/J6
CH1 AB/P12/P48
SW4102 ESD11H230
R4301 180/J3
R4302 180(1/2W)
R4303 680(1/4W)
R4304 680(1/4W)
R4305 6800(1/2W)
R4306 6800(1/2W)
R4312 PAT/J3
R4313 PAT/J3
C4164 50V1/EVN
C4165 50V1/EVN
R4131 47K/J3
R4132 47K/J3
D4101 MA143-GTX
D4102 MA143-GTX
-5VA
SW4101 VSS0342
CH1 -40/-60
R4133 PAT/RE
R4137 PAT/RE
R4135 560/RE
IC4101 NJM2122MTE1
C4147 0.1/UFV
R4134 4700/RE
C4145 33P/UV
C4148 0.1/UFV
R4136 4700/RE
C4146 33P/UV
RY4102 VSY2070
C4143 50V1/EVV
C4144 50V1/EVV
CP4101
CP4102
(2) CH1_H
(2) CH1_C
17V
FGND
IC4023 NJM78L12UAT2
C4081 0.1/UFV
C4082 0.1/UFV
C4083 16V47/EVV
A48V (10)
Q4111 2SB1220-QRTX
Q4008 2SB1220-QRTX
Q4211 2SB1220-QRTX
Q4112 2SB1220-QRTX
Q4212 2SB1220-QRTX
R4318 100K/J3
R4319 330K/J3
R4076 100K/J3
R4077 330K/J3
R4418 100K/J3
R4419 330K/J3
R4321 100K/J3
R4322 330K/J3
R4421 100K/J3
R4422 330K/J3
C4166 0.1/UBM
C4053 0.1/UBM
C4266 0.1/UBM
C4171 0.1/UBM
C4271 0.1/UBM
QR4107 UN5213-TX
QR4006 UN5213-TX
QR4207 UN5213-TX
QR4109 UN5213-TX
QR4209 UN5213-TX
QR4108 UN5113-TX
QR4007 UN5113-TX
QR4208 UN5113-TX
QR4110 UN5113-TX
QR4210 UN5113-TX
CP4108
CP4008
CP4208
PHAN1_ON_L (7)
PHAN_ON_L (7)
PHAN2_ON_L (7)
F_MIC_IN_H (9)
F_MIC_IN_C (9)
L4003 10U/LA
L4004 10U/LA
C4049 470P/UV
C4050 470P/UV
R4073 3900/J6
R4074 6800(1/2W)
R4075 6800(1/2W)
C4051 50V1/EVN
C4052 50V1/EVN
R4021 47K/J3
R4022 47K/J3
D4001 MA143-GTX
D4002 MA143-GTX
SW4001 VSS0342
MIC -40/-60
R4023 1800/RE
R4027 150/RE
R4025 PAT/RE
IC4018 NJM2122MTE1
C4061 0.1/UFV
R4024 4700/RE
C4059 33P/UV
C4062 0.1/UFV
R4026 4700/RE
C4060 33P/UV
C4057 50V1/EVV
C4058 50V1/EVV
CP4001
CP4002
(2) F_MIC_H
(2) F_MIC_C
CH2_RY2 (7)
CH2_RY1 (7)
CH2_IN_H (9)
CH2_IN_C (9)
QR4205 UN5113-TX
QR4206 UN521F-TX
CP4205
D4206 MA142K-GTX
D4205 MA142K-GTX
RY4201 VSY2070
QR4203 UN5113-TX
QR4204 UN521F-TX
CP4203
L4201 10U/LA
L4202 10U/LA
C4260 470P/UV
C4261 470P/UV
R4407 4700/RE
R4408 1000/RE
R4409 120/RE
R4410 4700/RE
R4411 3900/J6
CH2 AB/P12/P48
SW4202 ESD11H230
R4401 180/J3
R4402 180(1/2W)
R4403 680(1/4W)
R4404 680(1/4W)
R4405 6800(1/2W)
R4406 6800(1/2W)
R4412 PAT/J3
R4413 PAT/J3
C4264 50V1/EVN
C4265 50V1/EVN
R4231 47K/J3
R4232 47K/J3
D4201 MA143-GTX
D4202 MA143-GTX
SW4201 VSS0342
CH2 -40/-60
R4233 PAT/RE
R4237 PAT/RE
R4235 560/RE
IC4201 NJM2122MTE1
C4247 0.1/UFV
R4234 4700/RE
C4245 33P/UV
C4248 0.1/UFV
R4236 4700/RE
C4246 33P/UV
RY4202 VSY2070
C4243 50V1/EVV
C4244 50V1/EVV
CP4201
CP4202
(2) CH2_H
(2) CH2_C
A5R6V (4,5,7,9,10,11)
Q4002 2SD602A-STX
R4002 33/J3
C4003 6V47/EVV
C4004 6V47/EVV
C4005 6V47/EVV
C4006 6V47/EVV
R4003 330/J3
Q4003 2SB710A-RTX
A-5R6V (9,10)
-5VA
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
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11
12
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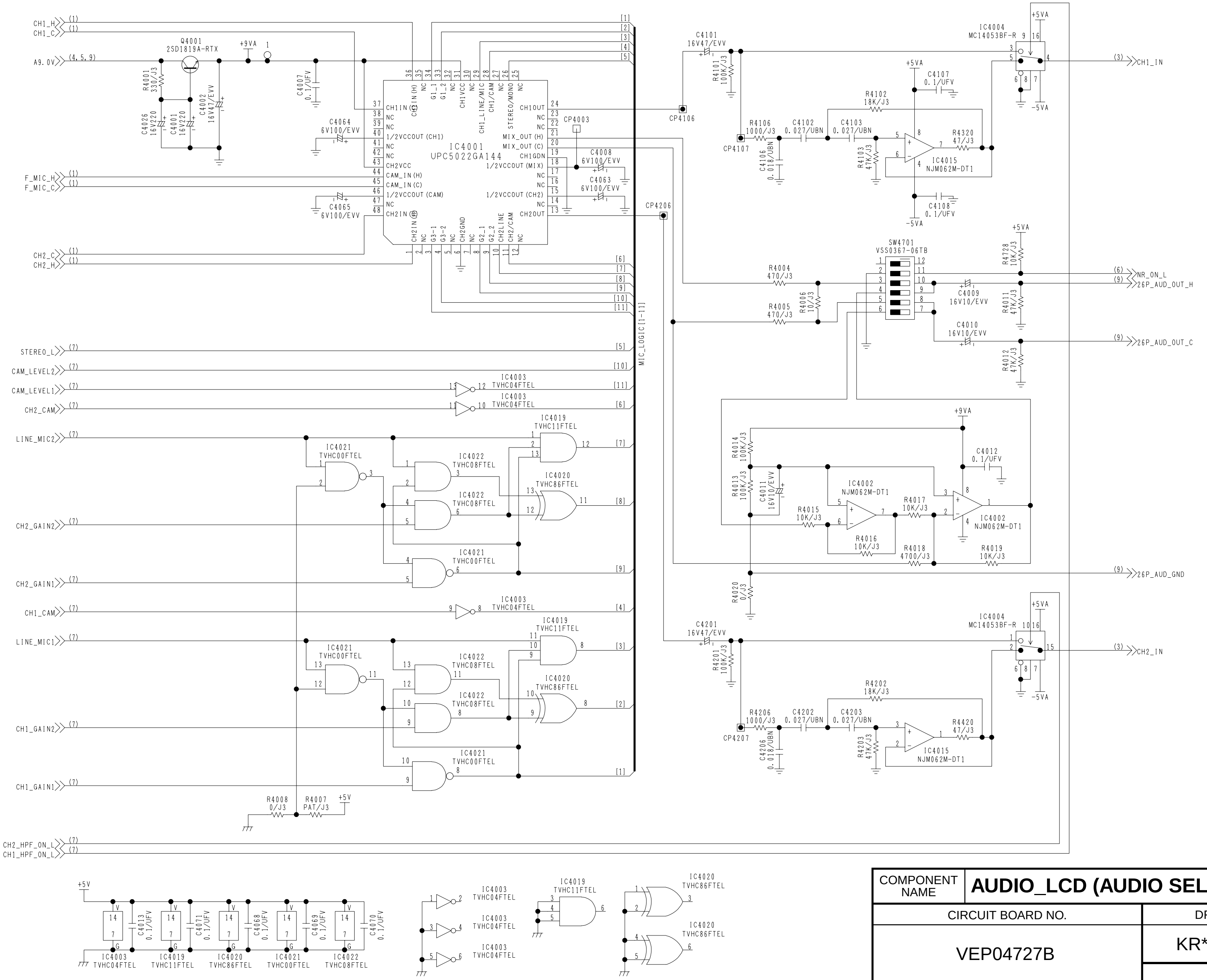
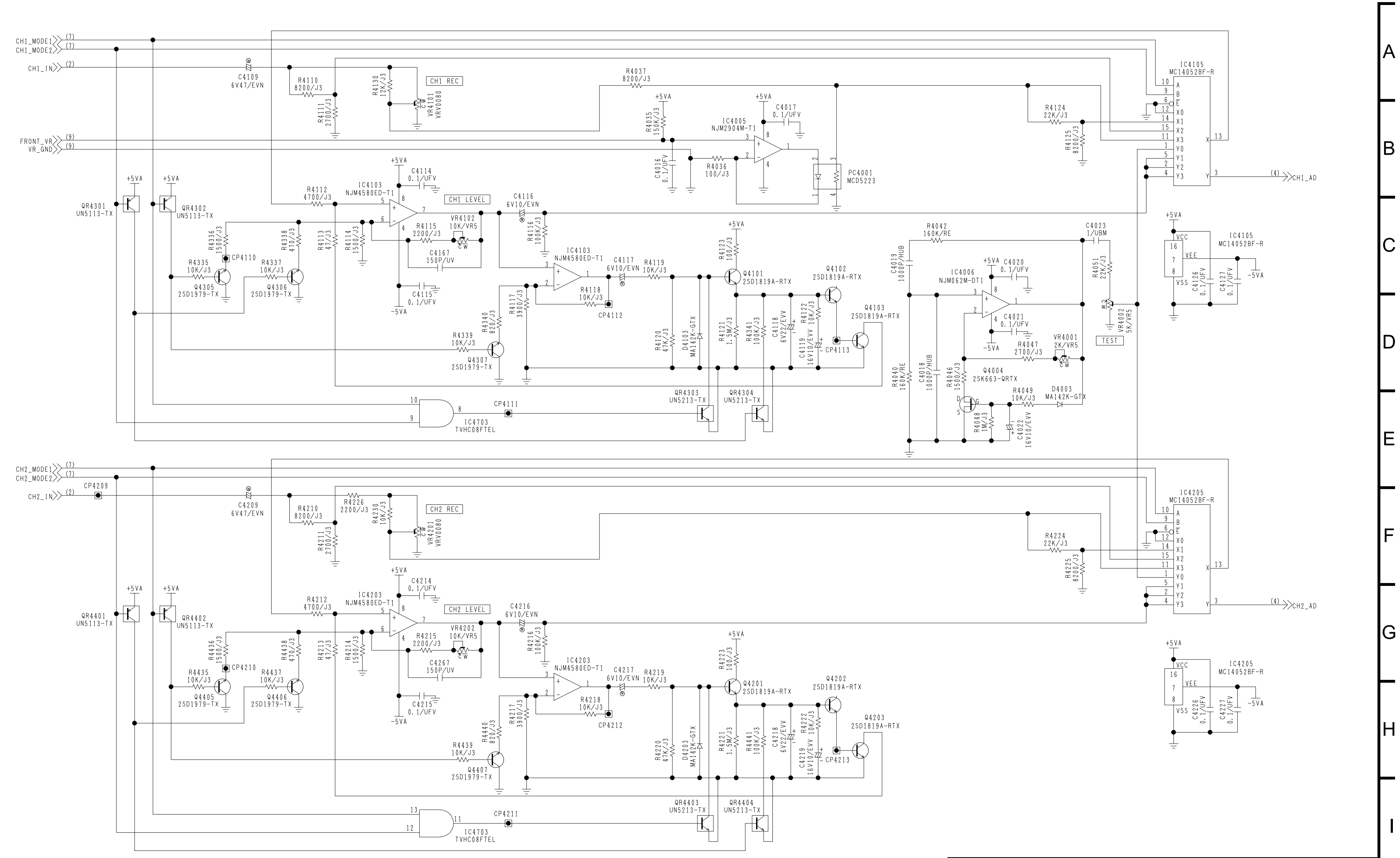
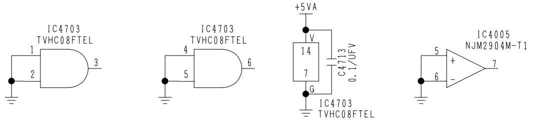
14
15

COMPONENT NAME	AUDIO_LCD (AUDIO INPUT)	01/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (1/11) (0)	
	SCM086	

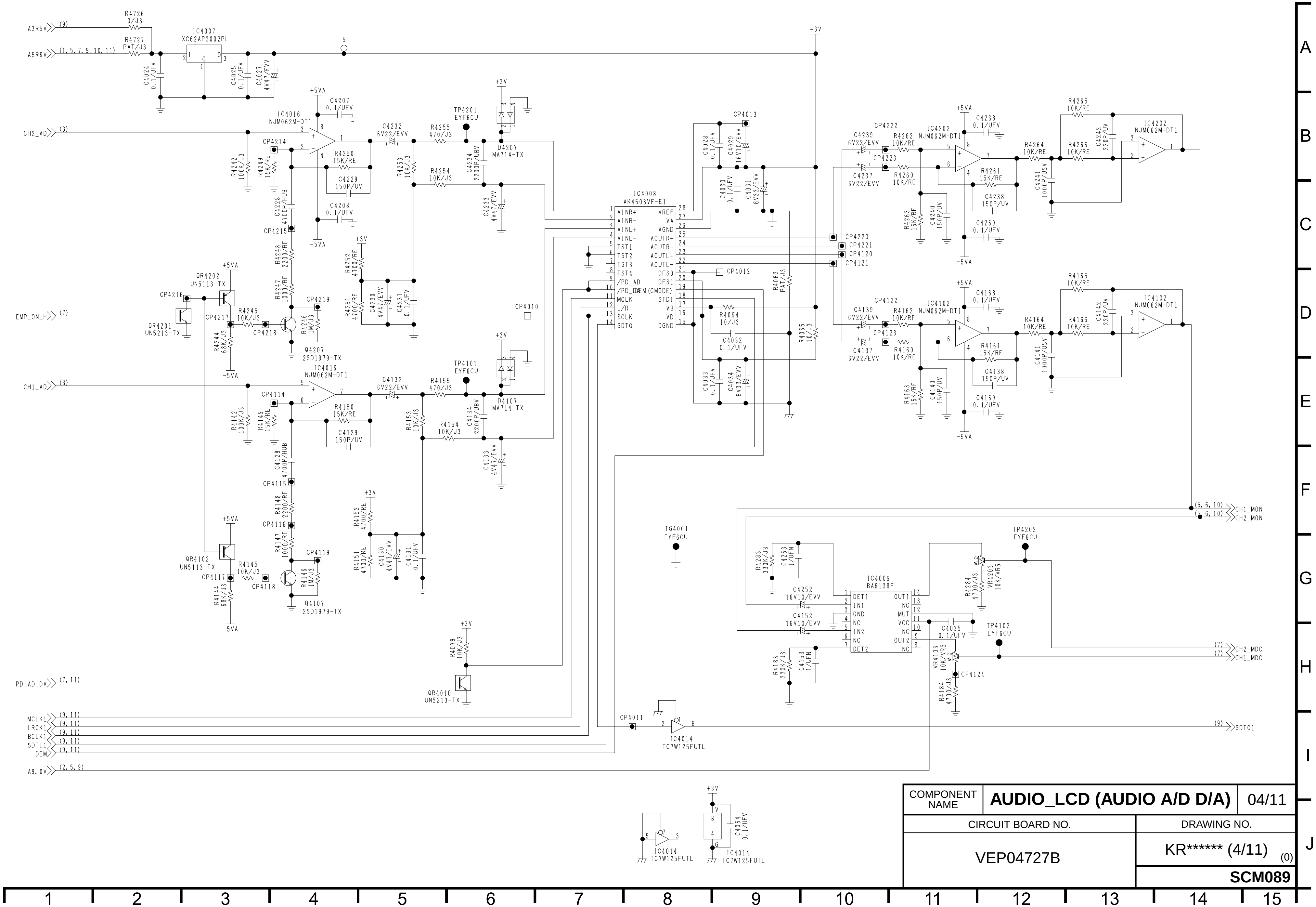

CH1_H
CH1_C
A9.0V
F_MIC_H
F_MIC_C
CH2_C
CH2_H
STEREO_L
CAM_LEVEL2
CAM_LEVEL1
CH2_CAM
LINE_MIC2
CH2_GAIN2
CH2_GAIN1
CH1_CAM
LINE_MIC1
CH1_GAIN2
CH1_GAIN1
CH2_HPF_ON_L
CH1_HPF_ON_L
Q4001 2SD1819A-RTX
IC4001 UPC5022GA144
MIC_LOGIC[1-11]
CP4003
CP4106
CP4107
CP4206
CP4207
IC4004 MC14053BF-R
IC4015 NJM062M-DT1
IC4002 NJM062M-DT1
SW4701 VSS0367-06TB
IC4003 TVHC04FTEL
IC4019 TVHC11FTEL
IC4020 TVHC86FTEL
IC4021 TVHC00FTEL
IC4022 TVHC08FTEL
CH1_IN
CH2_IN
NR_ON_L
26P_AUD_OUT_H
26P_AUD_OUT_C
26P_AUD_GND
+5VA
-5VA
+9VA
+5V
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	AUDIO_LCD (AUDIO SELECT)	02/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP04727B		KR****** (2/11) (0)
		SCM087

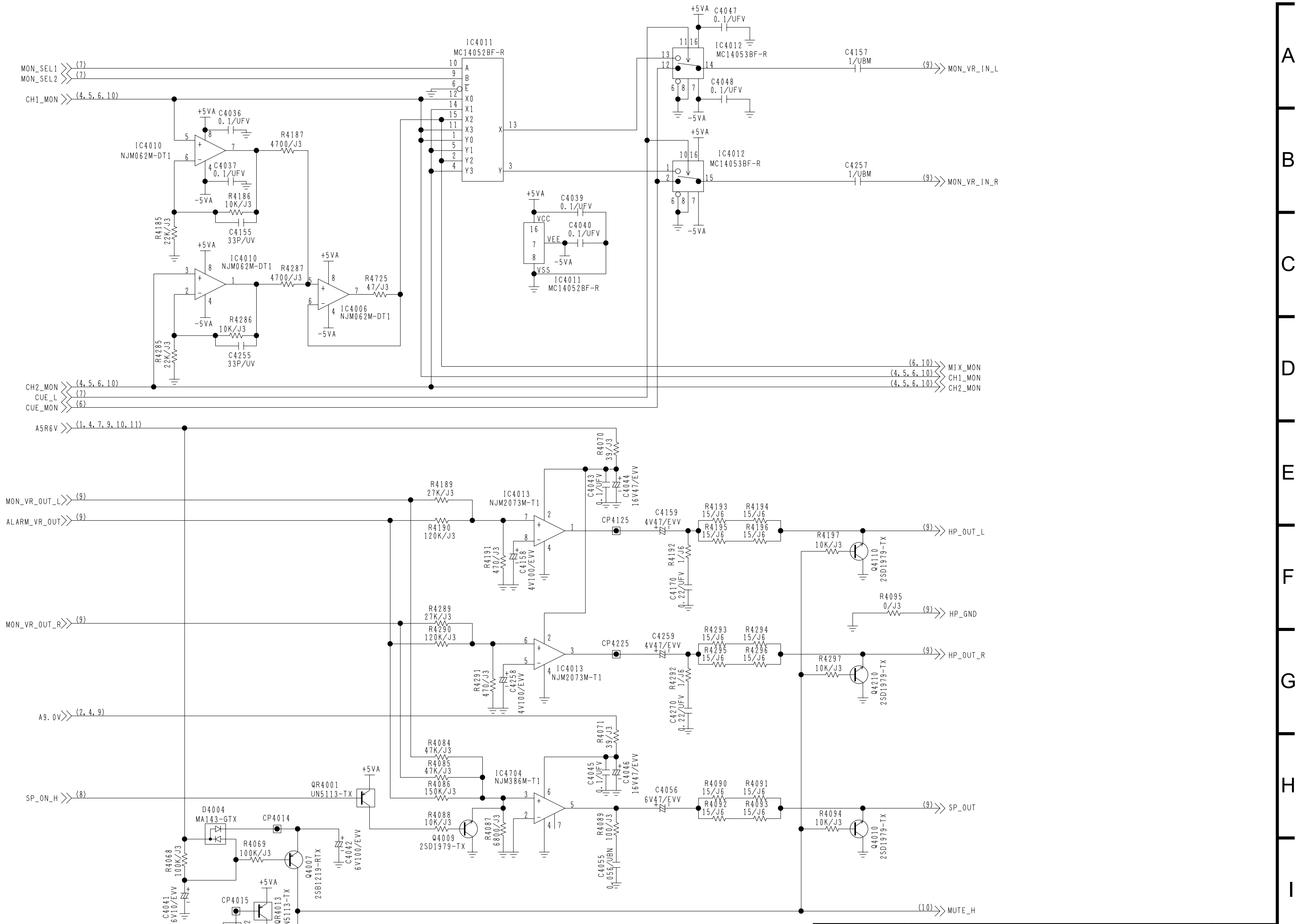

CH1_MODE1 (7)
CH1_MODE2 (7)
CH1_IN (2)
FRONT_VR (9)
VR_GND (9)
C4109 6V47/EVN
R4110 8200/J3
R4111 2700/J3
R4130 12K/J3
VR4101 VRV0080
CH1 REC
R4037 8200/J3
+5VA
R4035 150K/J3
C4016 0.1/UFV
R4036 100/J3
IC4005 NJM2904M-T1
C4017 0.1/UFV
PC4001 MCD5223
IC4105 MC14052BF-R
A B E X0 X1 X2 X3 Y0 Y1 Y2 Y3 X Y
R4124 22K/J3
R4125 8200/J3
(4) CH1_AD
QR4301 UN5113-TX
QR4302 UN5113-TX
R4112 4700/J3
IC4103 NJM4580ED-T1
C4114 0.1/UFV
CH1 LEVEL
C4116 6V10/EVN
R4113 47/J3
R4114 1500/J3
R4115 2200/J3
VR4102 10K/VR5
C4167 150P/UV
C4115 0.1/UFV
-5VA
R4336 1500/J3
CP4110
R4338 470/J3
R4335 10K/J3
R4337 10K/J3
Q4305 2SD1979-TX
Q4306 2SD1979-TX
R4116 100K/J3
C4117 6V10/EVN
R4119 10K/J3
R4118 10K/J3
CP4112
R4117 3900/J3
R4340 820/J3
R4339 10K/J3
Q4307 2SD1979-TX
R4123 100/J3
Q4101 2SD1819A-RTX
Q4102 2SD1819A-RTX
Q4103 2SD1819A-RTX
R4120 47K/J3
D4103 MA142K-GTX
R4121 1.5M/J3
R4341 100K/J3
C4118 6V22/EVV
R4122 10K/J3
C4119 16V10/EVV
CP4113
QR4303 UN5213-TX
QR4304 UN5213-TX
IC4703 TVHC08FTEL
CP4111
R4042 160K/RE
C4023 1/UBM
C4019 1000P/HUB
IC4006 NJM062M-DT1
C4020 0.1/UFV
C4021 0.1/UFV
R4047 2700/J3
VR4001 2K/VR5
R4051 22K/J3
VR4002 5K/VR5
TEST
R4040 160K/RE
C4018 1000P/HUB
R4046 1500/J3
Q4004 2SK663-QRTX
R4049 10K/J3
D4003 MA142K-GTX
R4048 1M/J3
C4022 16V10/EVV
IC4105 MC14052BF-R
VCC VEE VSS
C4126 0.1/UFV
C4127 0.1/UFV
CH2_MODE1 (7)
CH2_MODE2 (7)
CH2_IN (2)
CP4209
C4209 6V47/EVN
R4210 8200/J3
R4226 2200/J3
R4211 2700/J3
R4230 10K/J3
VR4201 VRV0080
CH2 REC
IC4205 MC14052BF-R
R4224 22K/J3
R4225 8200/J3
(4) CH2_AD
QR4401 UN5113-TX
QR4402 UN5113-TX
R4212 4700/J3
IC4203 NJM4580ED-T1
C4214 0.1/UFV
CH2 LEVEL
C4216 6V10/EVN
R4213 47/J3
R4214 1500/J3
R4215 2200/J3
VR4202 10K/VR5
C4267 150P/UV
C4215 0.1/UFV
R4436 1500/J3
CP4210
R4438 470/J3
R4435 10K/J3
R4437 10K/J3
Q4405 2SD1979-TX
Q4406 2SD1979-TX
R4216 100K/J3
C4217 6V10/EVN
R4219 10K/J3
R4218 10K/J3
CP4212
R4217 3900/J3
R4440 820/J3
R4439 10K/J3
Q4407 2SD1979-TX
R4223 100/J3
Q4201 2SD1819A-RTX
Q4202 2SD1819A-RTX
Q4203 2SD1819A-RTX
R4220 47K/J3
D4203 MA142K-GTX
R4221 1.5M/J3
R4441 100K/J3
C4218 6V22/EVV
R4222 10K/J3
C4219 16V10/EVV
CP4213
QR4403 UN5213-TX
QR4404 UN5213-TX
CP4211
IC4205 MC14052BF-R
C4226 0.1/UFV
C4227 0.1/UFV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


IC4703 TVHC08FTEL
IC4703 TVHC08FTEL
+5VA
C4713 0.1/UFV
IC4703 TVHC08FTEL
IC4005 NJM2904M-T1

COMPONENT NAME	**AUDIO_LCD (AUDIO AGC)**	03/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (3/11) (0)	
	SCM088	

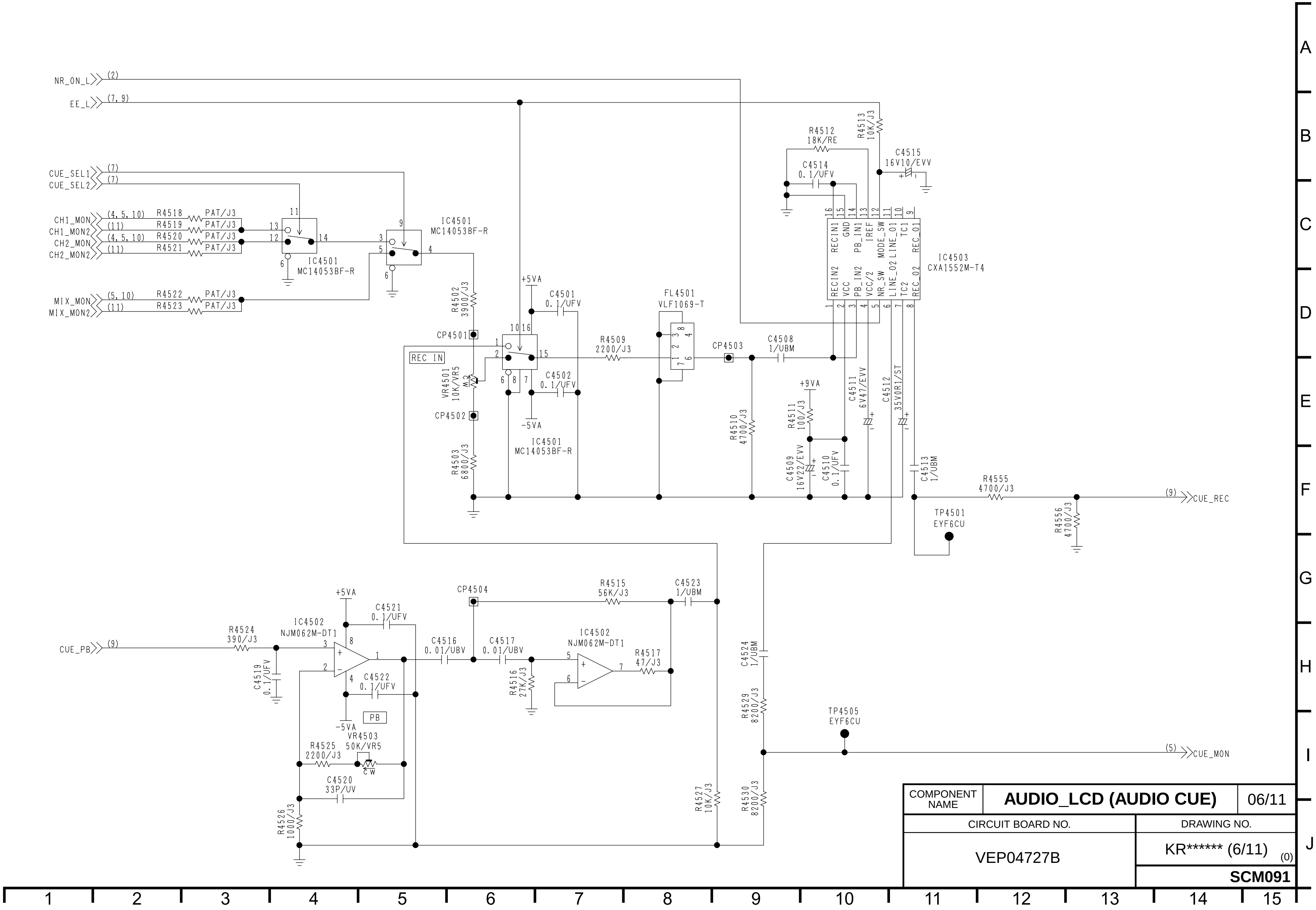

A3R5V (9)
A5R6V (1,5,7,9,10,11)
R4726 0/J3
R4727 PAT/J3
IC4007 XC62AP3002PL
C4024 0.1/UFV
C4025 0.1/UFV
C4027 4V47/EVV
+3V
CH2_AD (3)
IC4016 NJM062M-DT1
+5VA
-5VA
C4207 0.1/UFV
C4208 0.1/UFV
R4242 100K/J3
R4249 15K/RE
CP4214
R4250 15K/RE
C4229 150P/UV
C4232 6V22/EVV
R4255 470/J3
R4254 10K/J3
R4253 10K/J3
TP4201 EYF6CU
C4234 2200P/UBV
D4207 MA714-TX
C4233 4V47/EVV
C4228 4700P/HUB
CP4215
R4248 2200/RE
R4247 1000/RE
R4252 4700/RE
R4251 4700/RE
C4230 4V47/EVV
C4231 0.1/UFV
QR4202 UN5113-TX
CP4216
EMP_ON_H (7)
QR4201 UN5213-TX
CP4217
R4245 10K/J3
CP4218
CP4219
R4246 1M/J3
Q4207 2SD1979-TX
R4244 68K/J3
CH1_AD (3)
R4142 100K/J3
R4149 15K/RE
CP4114
R4150 15K/RE
C4129 150P/UV
C4132 6V22/EVV
R4155 470/J3
R4154 10K/J3
R4153 10K/J3
TP4101 EYF6CU
C4134 2200P/UBV
D4107 MA714-TX
C4133 4V47/EVV
C4128 4700P/HUB
CP4115
R4148 2200/RE
CP4116
R4147 1000/RE
R4152 4700/RE
R4151 4700/RE
C4130 4V47/EVV
C4131 0.1/UFV
QR4102 UN5113-TX
CP4117
R4145 10K/J3
CP4118
CP4119
R4146 1M/J3
Q4107 2SD1979-TX
R4144 68K/J3
CP4010
IC4008 AK4503VF-E1
AINR+ AINR- AINL+ AINL- TST1 TST2 TST3 TST4 /PD_AD /PD_DA DEM(CMODE) MCLK L/R SCLK SDTO
VREF VA AGND AOUTR+ AOUTR- AOUTL+ AOUTL- DFS0 DFS1 STDI VB VD DGND
CP4013
C4028 0.1/UFV
C4029 16V10/EVV
C4030 0.1/UFV
C4031 6V33/EVV
CP4012
R4063 PAT/J3
R4064 10/J3
C4032 0.1/UFV
C4033 0.1/UFV
C4034 6V33/EVV
R4065 10/J3
CP4220 CP4221 CP4120 CP4121
CP4222
C4239 6V22/EVV
R4262 10K/RE
IC4202 NJM062M-DT1
C4268 0.1/UFV
CP4223
C4237 6V22/EVV
R4260 10K/RE
R4261 15K/RE
C4238 150P/UV
R4263 15K/RE
C4240 150P/UV
C4269 0.1/UFV
R4264 10K/RE
C4241 1000P/USV
R4265 10K/RE
R4266 10K/RE
C4242 220P/UV
CP4122
C4139 6V22/EVV
R4162 10K/RE
IC4102 NJM062M-DT1
C4168 0.1/UFV
CP4123
C4137 6V22/EVV
R4160 10K/RE
R4161 15K/RE
C4138 150P/UV
R4163 15K/RE
C4140 150P/UV
C4169 0.1/UFV
R4164 10K/RE
C4141 1000P/USV
R4165 10K/RE
R4166 10K/RE
C4142 220P/UV
(5,6,10) CH1_MON
(5,6,10) CH2_MON
TG4001 EYF6CU
TP4202 EYF6CU
R4283 330K/J3
C4253 1/UFN
C4252 16V10/EVV
C4152 16V10/EVV
IC4009 BA6138F
DET1 IN1 GND NC IN2 NC DET2
OUT1 NC MUT VCC NC OUT2 NC
R4284 4700/J3
VR4203 10K/VR5
C4035 0.1/UFV
TP4102 EYF6CU
(7) CH2_MDC
(7) CH1_MDC
R4183 330K/J3
C4153 1/UFN
VR4103 10K/VR5
CP4124
R4184 4700/J3
R4079 10K/J3
QR4010 UN5213-TX
PD_AD_DA (7,11)
MCLK1 (9,11)
LRCK1 (9,11)
BCLK1 (9,11)
SDTI1 (9,11)
DEM (9,11)
A9.0V (2,5,9)
CP4011
IC4014 TC7W125FUTL
(9) SDTO1
C4054 0.1/UFV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	AUDIO_LCD (AUDIO A/D D/A)	04/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP04727B		KR****** (4/11) (0)
		SCM089

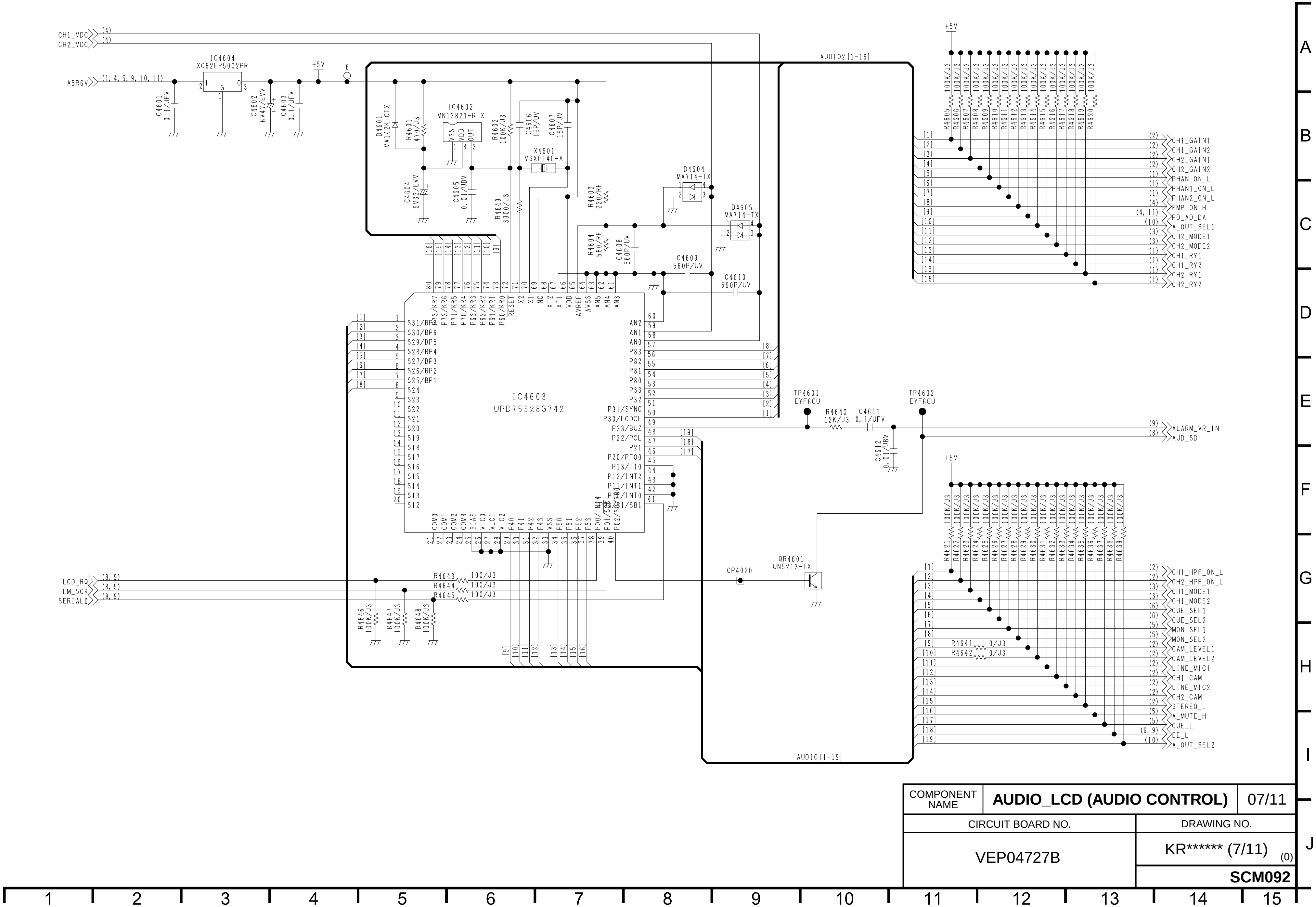

MON_SEL1 (7)
MON_SEL2 (7)
CH1_MON (4,5,6,10)
IC4011
MC14052BF-R
A B E X0 X1 X2 X3 Y0 Y1 Y2 Y3 X Y
+5VA C4036 0.1/UFV
IC4010 NJM062M-DT1
R4187 4700/J3
C4037 0.1/UFV
-5VA
R4186 10K/J3
C4155 33P/UV
R4185 22K/J3
IC4010 NJM062M-DT1
R4287 4700/J3
+5VA
R4725 47/J3
IC4006 NJM062M-DT1
R4286 10K/J3
C4255 33P/UV
R4285 22K/J3
+5VA C4039 0.1/UFV
C4040 0.1/UFV
VCC VEE VSS
IC4011 MC14052BF-R
+5VA C4047 0.1/UFV
IC4012 MC14053BF-R
C4048 0.1/UFV
C4157 1/UBM
(9) MON_VR_IN_L
IC4012 MC14053BF-R
C4257 1/UBM
(9) MON_VR_IN_R
(6,10) MIX_MON
(4,5,6,10) CH1_MON
(4,5,6,10) CH2_MON
CH2_MON (4,5,6,10)
CUE_L (7)
CUE_MON (6)
A5R6V (1,4,7,9,10,11)
R4070 39/J3
C4043 0.1/UFV
C4044 16V47/EVV
MON_VR_OUT_L (9)
ALARM_VR_OUT (9)
R4189 27K/J3
R4190 120K/J3
IC4013 NJM2073M-T1
R4191 470/J3
C4158 4V100/EVV
CP4125
C4159 4V47/EVV
R4192 1/J6
C4170 0.22/UFV
R4193 15/J6
R4194 15/J6
R4195 15/J6
R4196 15/J6
R4197 10K/J3
Q4110 2SD1979-TX
(9) HP_OUT_L
R4095 0/J3
(9) HP_GND
MON_VR_OUT_R (9)
R4289 27K/J3
R4290 120K/J3
R4291 470/J3
C4258 4V100/EVV
IC4013 NJM2073M-T1
CP4225
C4259 4V47/EVV
R4292 1/J6
C4270 0.22/UFV
R4293 15/J6
R4294 15/J6
R4295 15/J6
R4296 15/J6
R4297 10K/J3
Q4210 2SD1979-TX
(9) HP_OUT_R
A9.0V (2,4,9)
R4071 39/J3
C4045 0.1/UFV
C4046 16V47/EVV
R4084 47K/J3
R4085 47K/J3
R4086 150K/J3
IC4704 NJM386M-T1
SP_ON_H (8)
QR4001 UN5113-TX
+5VA
R4088 10K/J3
Q4009 2SD1979-TX
R4087 680/J3
R4089 100/J3
C4055 0.056/UBN
C4056 6V47/EVV
R4090 15/J6
R4091 15/J6
R4092 15/J6
R4093 15/J6
R4094 10K/J3
Q4010 2SD1979-TX
(9) SP_OUT
D4004 MA143-GTX
CP4014
R4069 100K/J3
Q4007 2SB1219-RTX
C4042 6V100/EVV
R4068 100K/J3
C4041 16V10/EVV
+5VA
CP4015
QR4013 UN5113-TX
QR4012 UN5213-TX
A_MUTE_H (7)
(10) MUTE_H
A
B
C
D
E
F
G
H
I
J

COMPONENT NAME	**AUDIO_LCD (AUDIO MONITOR)**	05/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (5/11) (0)	
	SCM090	

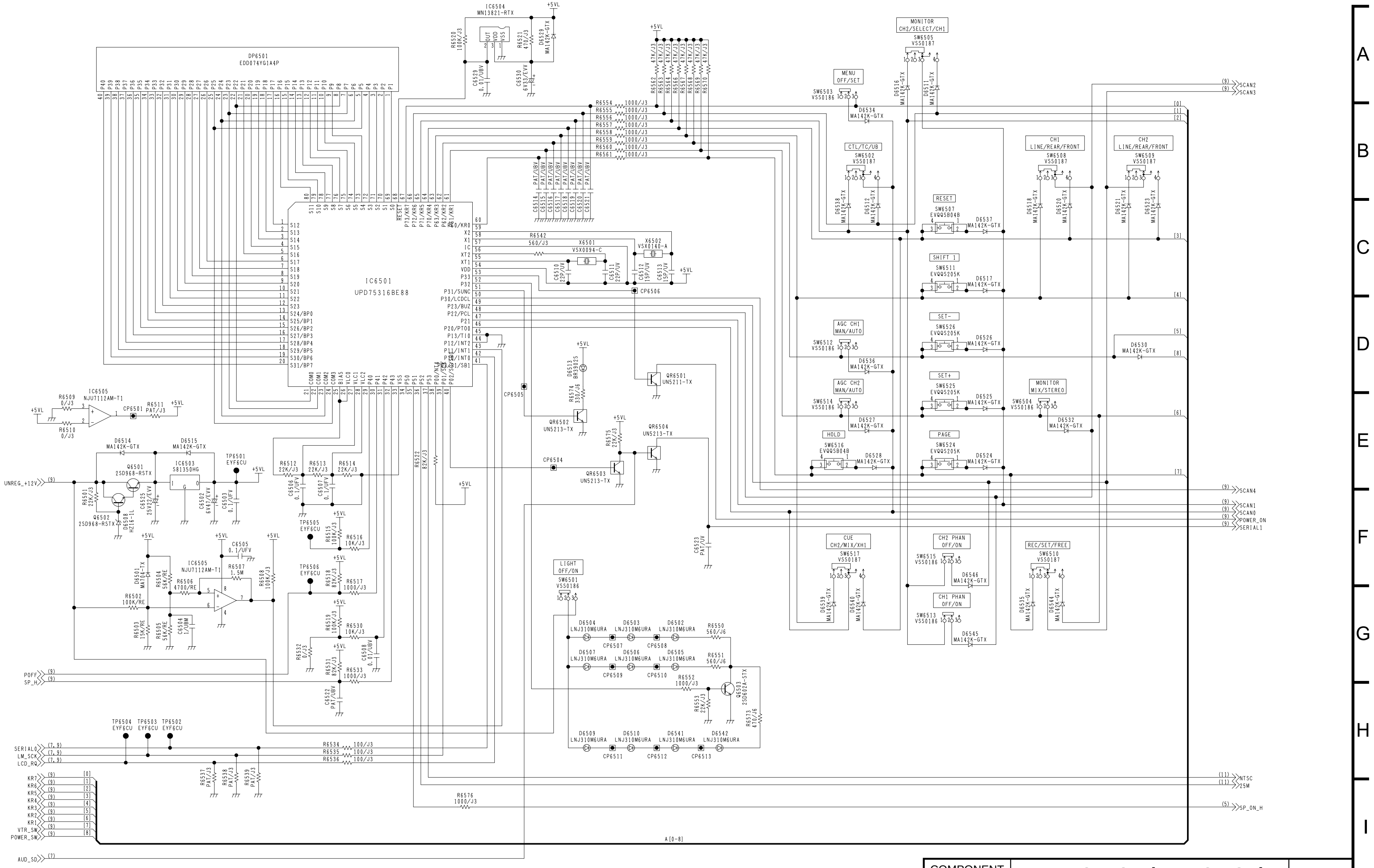
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


NR_ON_L (2)
EE_L (7, 9)
CUE_SEL1 (7)
CUE_SEL2 (7)
CH1_MON (4, 5, 10) R4518 PAT/J3
CH1_MON2 (11) R4519 PAT/J3
CH2_MON (4, 5, 10) R4520 PAT/J3
CH2_MON2 (11) R4521 PAT/J3
MIX_MON (5, 10) R4522 PAT/J3
MIX_MON2 (11) R4523 PAT/J3
IC4501 MC14053BF-R
IC4501 MC14053BF-R
IC4501 MC14053BF-R
R4502 3900/J3
CP4501
REC IN
VR4501 10K/VR5
CP4502
R4503 6800/J3
+5VA
-5VA
C4501 0.1/UFV
C4502 0.1/UFV
R4509 2200/J3
FL4501 VLF1069-T
CP4503
C4508 1/UBM
R4510 4700/J3
+9VA
R4511 100/J3
C4509 16V22/EVV
C4510 0.1/UFV
C4511 6V47/EVV
C4512 35V0R1/ST
C4513 1/UBM
R4512 18K/RE
R4513 10K/J3
C4514 0.1/UFV
C4515 16V10/EVV
IC4503 CXA1552M-T4
RECIN1 GND PB_IN1 IREF MODE_SW LINE_O1 TC1 REC_O1
RECIN2 VCC PB_IN2 VCC/2 NR_SW LINE_O2 TC2 REC_O2
R4555 4700/J3
R4556 4700/J3
TP4501 EYF6CU
(9) CUE_REC
CUE_PB (9)
R4524 390/J3
C4519 0.1/UFV
IC4502 NJM062M-DT1
C4521 0.1/UFV
C4522 0.1/UFV
PB
R4525 2200/J3
VR4503 50K/VR5
CW
C4520 33P/UV
R4526 1000/J3
C4516 0.01/UBV
CP4504
C4517 0.01/UBV
R4516 27K/J3
IC4502 NJM062M-DT1
R4517 47/J3
R4515 56K/J3
C4523 1/UBM
C4524 1/UBM
R4529 8200/J3
R4530 8200/J3
R4527 10K/J3
TP4505 EYF6CU
(5) CUE_MON
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

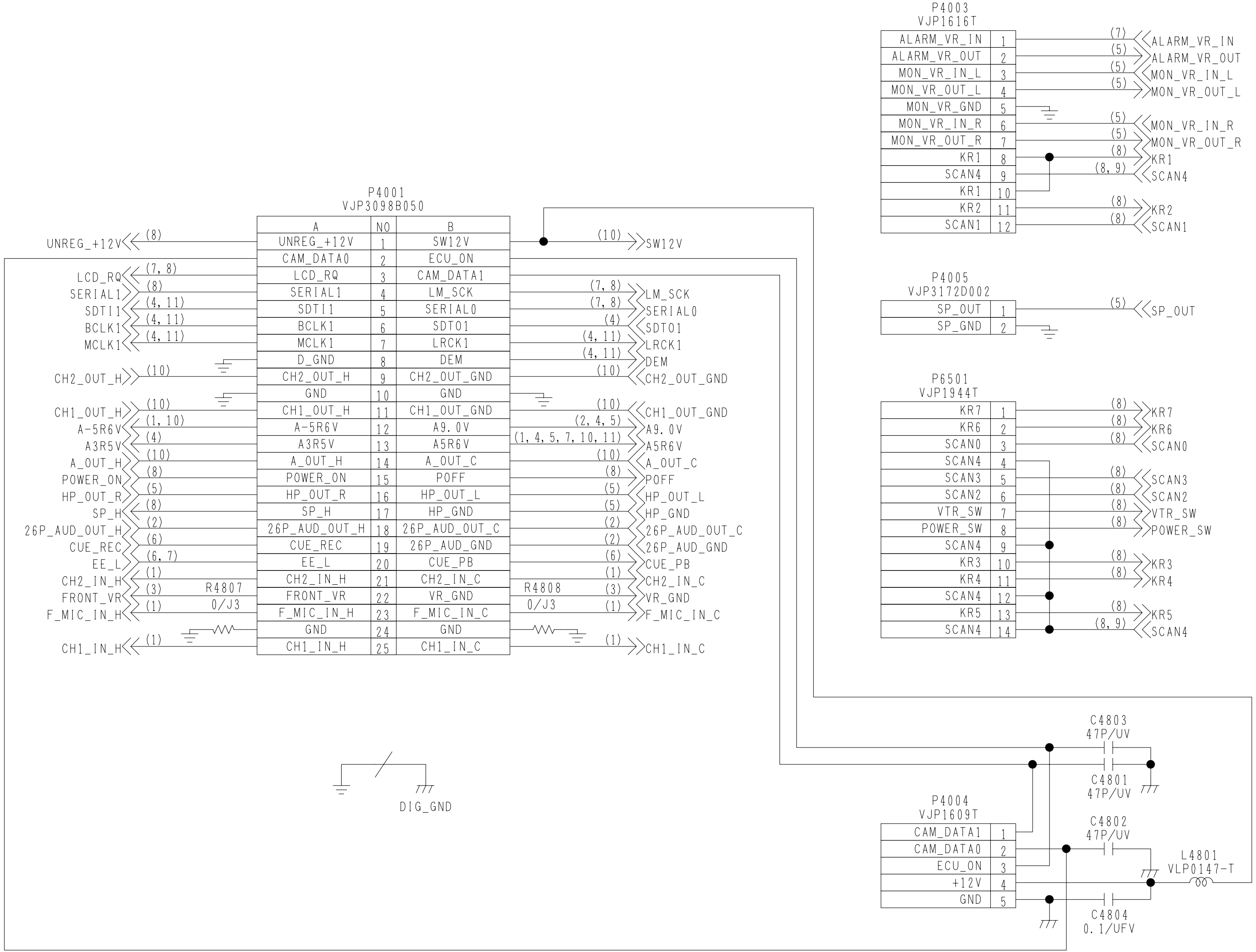
COMPONENT NAME	**AUDIO_LCD (AUDIO CUE)**	06/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (6/11) (0)	
	SCM091	


CH1_MDC (4)
CH2_MDC (4)
A5R6V (1, 4, 5, 9, 10, 11)
IC4604
XC62FP5002PR
C4601
0.1/UFV
C4602
6V47/EVV
C4603
0.1/UFV
+5V
6
D4601
MA142K-GTX
R4601
470/J3
IC4602
MN13821-RTX
VSS
VDD
OUT
C4604
6V33/EVV
C4605
0.01/UBV
R4602
100K/J3
R4649
3900/J3
C4606
15P/UV
C4607
15P/UV
X4601
VSX0140-A
R4603
220/RE
R4604
560/RE
C4608
560P/UV
C4609
560P/UV
C4610
560P/UV
D4604
MA714-TX
D4605
MA714-TX
AUDIO2[1-16]
IC4603
UPD75328G742
S31/BP7
S30/BP6
S29/BP5
S28/BP4
S27/BP3
S26/BP2
S25/BP1
S24
S23
S22
S21
S20
S19
S18
S17
S16
S15
S14
S13
S12
P73/KR7
P72/KR6
P71/KR5
P70/KR4
P63/KR3
P62/KR2
P61/KR1
P60/KR0
RESET
X2
X1
NC
XT2
XT1
VDD
AVREF
AVSS
AN5
AN4
AN3
AN2
AN1
AN0
P83
P82
P81
P80
P33
P32
P31/SYNC
P30/LCDCL
P23/BUZ
P22/PCL
P21
P20/PTO0
P13/TI0
P12/INT2
P11/INT1
P10/INT0
P02/SCK/SB1
P01/SCK
P00/INT4
COM0
COM1
COM2
COM3
BIAS
VLC0
VLC1
VLC2
P40
P41
P42
P43
VSS
P50
P51
P52
P53
TP4601
EYF6CU
R4640
12K/J3
C4611
0.1/UFV
C4612
0.01/UBV
TP4602
EYF6CU
ALARM_VR_IN (9)
AUD_SD (8)
LCD_RQ (8, 9)
LM_SCK (8, 9)
SERIAL0 (8, 9)
R4643 100/J3
R4644 100/J3
R4645 100/J3
R4646 100K/J3
R4647 100K/J3
R4648 100K/J3
CP4020
QR4601
UN5213-TX
R4605 – R4620 100K/J3
CH1_GAIN1 (2)
CH1_GAIN2 (2)
CH2_GAIN1 (2)
CH2_GAIN2 (2)
PHAN_ON_L (1)
PHAN1_ON_L (1)
PHAN2_ON_L (1)
EMP_ON_H (4)
PD_AD_DA (4, 11)
A_OUT_SEL1 (10)
CH2_MODE1 (3)
CH2_MODE2 (3)
CH1_RY1 (1)
CH1_RY2 (1)
CH2_RY1 (1)
CH2_RY2 (1)
R4621 – R4639 100K/J3
R4641 0/J3
R4642 0/J3
CH1_HPF_ON_L (2)
CH2_HPF_ON_L (2)
CH1_MODE1 (3)
CH1_MODE2 (3)
CUE_SEL1 (6)
CUE_SEL2 (6)
MON_SEL1 (5)
MON_SEL2 (5)
CAM_LEVEL1 (2)
CAM_LEVEL2 (2)
LINE_MIC1 (2)
CH1_CAM (2)
LINE_MIC2 (2)
CH2_CAM (2)
STEREO_L (2)
A_MUTE_H (5)
CUE_L (5)
EE_L (6, 9)
A_OUT_SEL2 (10)
AUDIO[1-19]
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

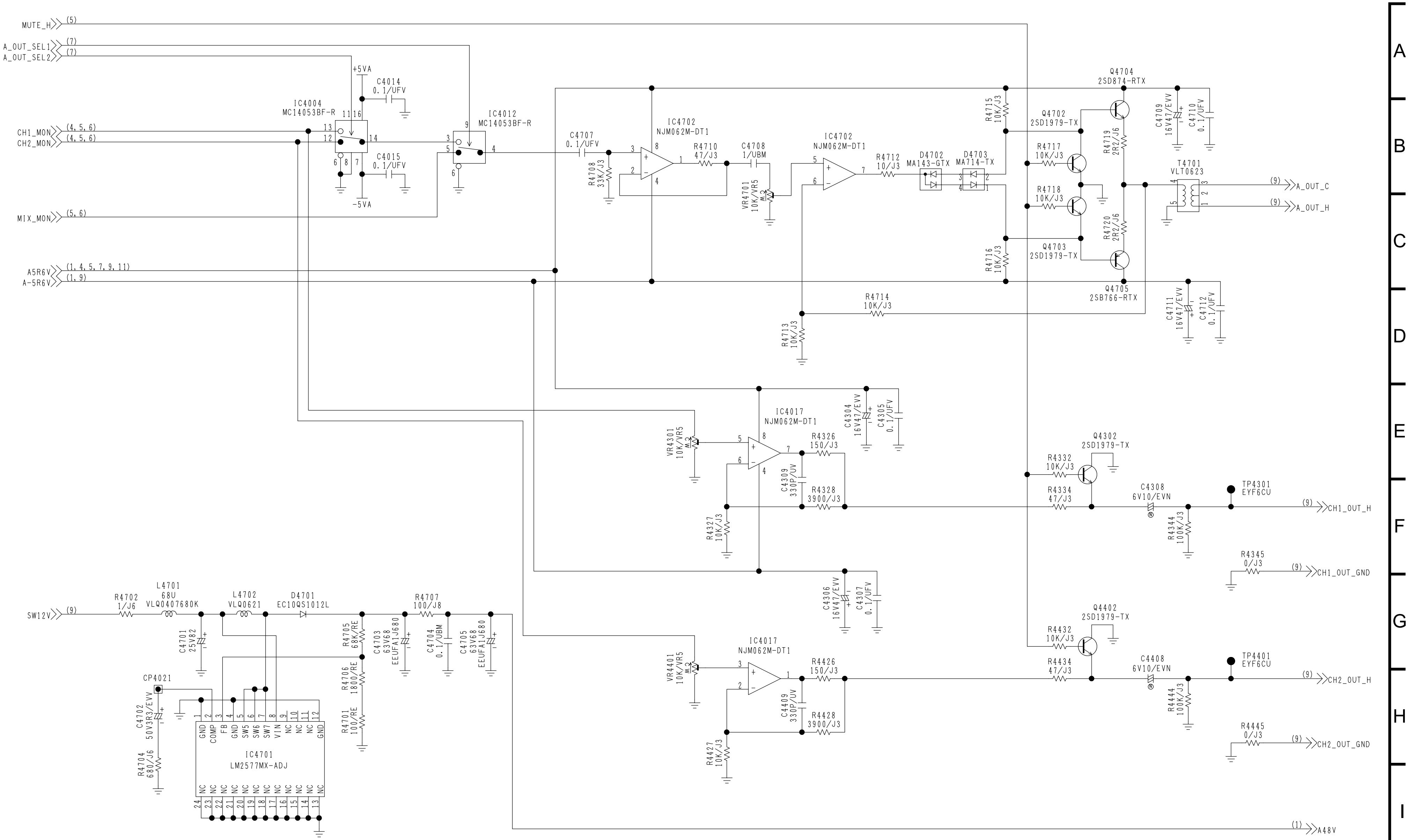
COMPONENT NAME	AUDIO_LCD (AUDIO CONTROL)	07/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (7/11) (0)	
	SCM092	


DP6501
EDD074YGIA4P
IC6501
UPD75316BE88
IC6504
MN13821-RTX
IC6505
NJU7112AM-T1
IC6503
S81350HG
X6501
VSX0094-C
X6502
VSX0140-A
QR6501
UN5211-TX
QR6502
UN5213-TX
QR6503
UN5213-TX
QR6504
UN5213-TX
Q6501
2SD968-RSTX
Q6502
2SD968-RSTX
Q6503
2SD602A-STX
MONITOR
CH2/SELECT/CH1
MENU
OFF/SET
CTL/TC/UB
RESET
SHIFT 1
SET-
AGC CH1
MAN/AUTO
SET+
AGC CH2
MAN/AUTO
MONITOR
MIX/STEREO
HOLD
PAGE
CH1
LINE/REAR/FRONT
CH2
LINE/REAR/FRONT
CUE
CH2/MIX/XH1
CH2 PHAN
OFF/ON
CH1 PHAN
OFF/ON
REC/SET/FREE
LIGHT
OFF/ON
UNREG_+12V
POFF
SP_H
SERIAL0
LM_SCK
LCD_RQ
KR7
KR6
KR5
KR4
KR3
KR2
KR1
VTR_SW
POWER_SW
AUD_SD
SCAN2
SCAN3
SCAN4
SCAN1
SCAN0
POWER_ON
SERIAL1
NTSC
25M
SP_ON_H
A[0-8]
+5VL
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

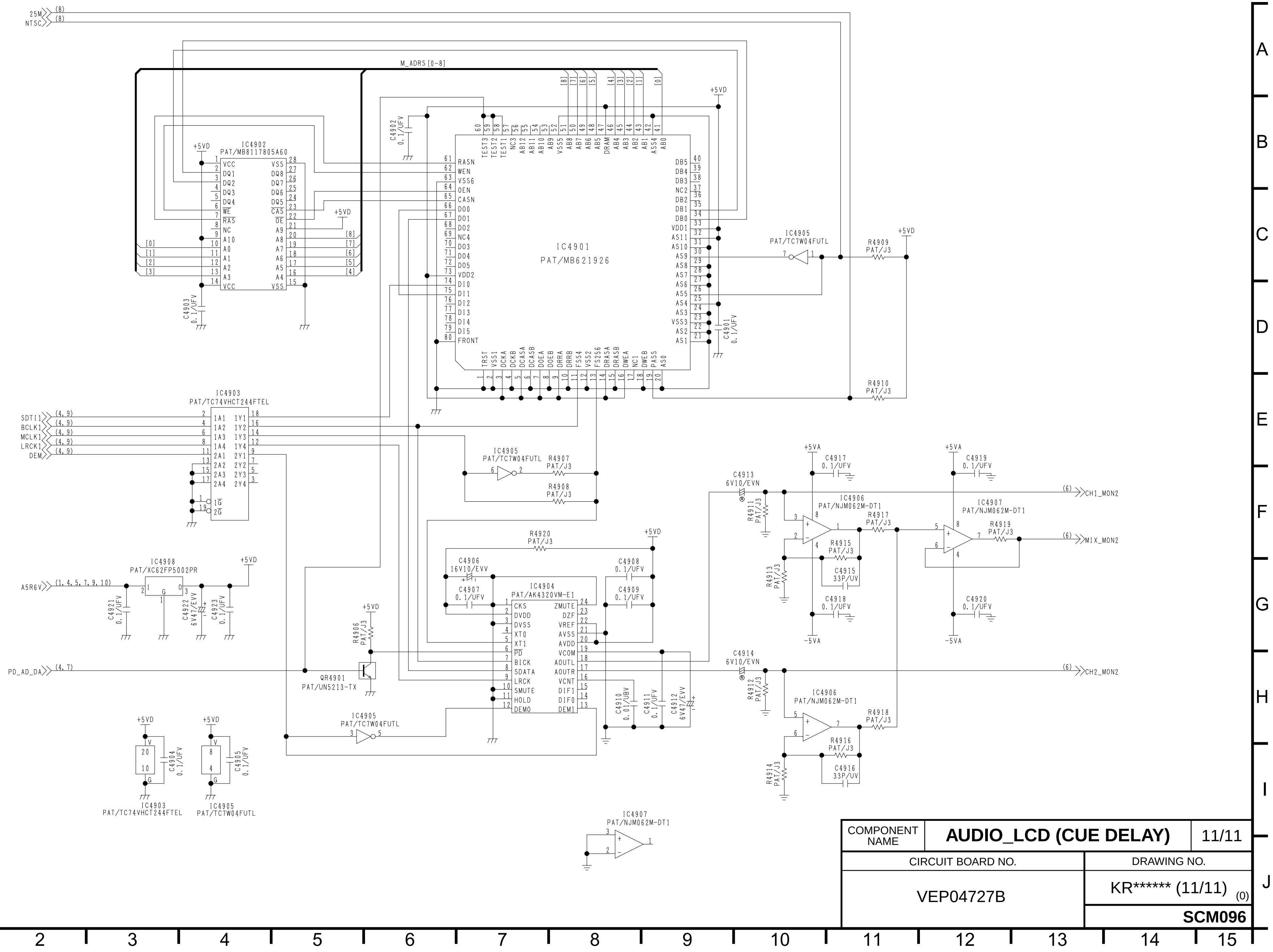
COMPONENT NAME	AUDIO_LCD (AUDIO LCD)	08/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP04727B		KR****** (8/11) (0)
		SCM093


P4001
VJP3098B050
A
NO
B
UNREG_+12V
SW12V
CAM_DATA0
ECU_ON
LCD_RQ
CAM_DATA1
SERIAL1
LM_SCK
SDTI1
SERIAL0
BCLK1
SDTO1
MCLK1
LRCK1
D_GND
DEM
CH2_OUT_H
CH2_OUT_GND
GND
CH1_OUT_H
CH1_OUT_GND
A-5R6V
A9.0V
A3R5V
A5R6V
A_OUT_H
A_OUT_C
POWER_ON
POFF
HP_OUT_R
HP_OUT_L
SP_H
HP_GND
26P_AUD_OUT_H
26P_AUD_OUT_C
CUE_REC
26P_AUD_GND
EE_L
CUE_PB
CH2_IN_H
CH2_IN_C
FRONT_VR
VR_GND
F_MIC_IN_H
F_MIC_IN_C
CH1_IN_H
CH1_IN_C
R4807
0/J3
R4808
0/J3
DIG_GND
P4003
VJP1616T
ALARM_VR_IN
ALARM_VR_OUT
MON_VR_IN_L
MON_VR_OUT_L
MON_VR_GND
MON_VR_IN_R
MON_VR_OUT_R
KR1
SCAN4
KR2
SCAN1
P4005
VJP3172D002
SP_OUT
SP_GND
P6501
VJP1944T
KR7
KR6
SCAN0
SCAN3
SCAN2
VTR_SW
POWER_SW
KR3
KR4
KR5
P4004
VJP1609T
CAM_DATA1
CAM_DATA0
ECU_ON
+12V
GND
C4803
47P/UV
C4801
47P/UV
C4802
47P/UV
C4804
0.1/UFV
L4801
VLP0147-T
R4811 0/J3 A
R4812 PAT/J3 B
R4813 PAT/J3 C
R4814 PAT/J3 D
R4815 PAT/J3 E
R4816 PAT/J3 F
R4817 PAT/J3 G
R4818 PAT/J3 H
R4819 PAT/J3 I

COMPONENT NAME	**AUDIO_LCD (AUDIO LCD I/F)**	09/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP04727B		KR****** (9/11) (0)
		SCM094


MUTE_H (5)
A_OUT_SEL1 (7)
A_OUT_SEL2 (7)
CH1_MON (4, 5, 6)
CH2_MON (4, 5, 6)
MIX_MON (5, 6)
A5R6V (1, 4, 5, 7, 9, 11)
A-5R6V (1, 9)
SW12V (9)
+5VA
-5VA
C4014 0.1/UFV
C4015 0.1/UFV
IC4004 MC14053BF-R
IC4012 MC14053BF-R
C4707 0.1/UFV
R4708 33K/J3
IC4702 NJM062M-DT1
R4710 47/J3
C4708 1/UBM
VR4701 10K/VR5
R4712 10/J3
D4702 MA143-GTX
D4703 MA714-TX
R4715 10K/J3
R4716 10K/J3
Q4702 2SD1979-TX
Q4703 2SD1979-TX
R4717 10K/J3
R4718 10K/J3
Q4704 2SD874-RTX
Q4705 2SB766-RTX
R4719 2R2/J6
R4720 2R2/J6
C4709 16V47/EVV
C4710 0.1/UFV
C4711 16V47/EVV
C4712 0.1/UFV
T4701 VLT0623
(9) A_OUT_C
(9) A_OUT_H
R4714 10K/J3
R4713 10K/J3
IC4017 NJM062M-DT1
VR4301 10K/VR5
R4326 150/J3
C4309 330P/UV
R4328 3900/J3
R4327 10K/J3
C4304 16V47/EVV
C4305 0.1/UFV
C4306 16V47/EVV
C4307 0.1/UFV
Q4302 2SD1979-TX
R4332 10K/J3
R4334 47/J3
C4308 6V10/EVN
TP4301 EYF6CU
R4344 100K/J3
(9) CH1_OUT_H
R4345 0/J3
(9) CH1_OUT_GND
VR4401 10K/VR5
R4426 150/J3
C4409 330P/UV
R4428 3900/J3
R4427 10K/J3
Q4402 2SD1979-TX
R4432 10K/J3
R4434 47/J3
C4408 6V10/EVN
TP4401 EYF6CU
R4444 100K/J3
(9) CH2_OUT_H
R4445 0/J3
(9) CH2_OUT_GND
R4702 1/J6
L4701 68U VLQ0407680K
C4701 25V82
L4702 VLQ0621
D4701 EC10QS1012L
R4705 68K/RE
R4706 1800/RE
R4701 100/RE
C4703 63V68 EEUFA1J680
R4707 100/J8
C4704 0.1/UBM
C4705 63V68 EEUFA1J680
CP4021
C4702 50V3R3/EVV
R4704 680/J6
IC4701 LM2577MX-ADJ
GND COMP FB GND SW5 SW6 SW7 VIN NC NC NC GND
NC NC NC NC NC NC NC NC NC NC NC NC
(1) A48V
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	AUDIO_LCD (AUDIO OUT)	10/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (10/11) (0)	
	SCM095	


25M
NTSC
M_ADRS[0-8]
IC4902
PAT/MB8117805A60
VCC
DQ1
DQ2
DQ3
DQ4
WE
RAS
NC
A10
A0
A1
A2
A3
VCC
VSS
DQ8
DQ7
DQ6
DQ5
CAS
OE
A9
A8
A7
A6
A5
A4
VSS
+5VD
C4903
0.1/UFV
C4902
0.1/UFV
IC4901
PAT/MB621926
RASN
WEN
VSS6
OEN
CASN
DO0
DO1
DO2
NC4
DO3
DO4
DO5
VDD2
DI0
DI1
DI2
DI3
DI4
DI5
FRONT
TEST3
TEST2
TEST1
NC3
AB12
AB11
AB10
AB9
VSS5
AB8
AB7
AB6
AB5
DRAM
AB4
AB3
AB2
AB1
ASS4
AB0
DB5
DB4
DB3
NC2
DB2
DB1
DB0
VDD1
AS11
AS10
AS9
AS8
AS7
AS6
AS5
AS4
AS3
VSS3
AS2
AS1
TRST
VSS1
DCKA
DCKB
DCASA
DCASB
DOEA
DOEB
DRRA
DRRB
FSS4
VSS2
FS256
DRASA
DRASB
DWEA
NC1
DWEB
PASS
AS0
C4901
0.1/UFV
IC4905
PAT/TC7W04FUTL
R4909
PAT/J3
R4910
PAT/J3
IC4903
PAT/TC74VHCT244FTEL
SDTI1
BCLK1
MCLK1
LRCK1
DEM
(4,9)
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
R4907
PAT/J3
R4908
PAT/J3
IC4908
PAT/XC62FP5002PR
A5R6V
(1,4,5,7,9,10)
C4921
0.1/UFV
C4922
6V47/EVV
C4923
0.1/UFV
PD_AD_DA
(4,7)
R4906
PAT/J3
QR4901
PAT/UN5213-TX
R4920
PAT/J3
C4906
16V10/EVV
C4907
0.1/UFV
C4908
0.1/UFV
C4909
0.1/UFV
IC4904
PAT/AK4320VM-E1
CKS
DVDD
DVSS
XTO
XT1
PD
BICK
SDATA
LRCK
SMUTE
HOLD
DEMO
ZMUTE
DZF
VREF
AVSS
AVDD
VCOM
AOUTL
AOUTR
VCNT
DIF1
DIF0
DEM1
C4910
0.01/UBV
C4911
0.1/UFV
C4912
6V47/EVV
C4913
6V10/EVN
C4914
6V10/EVN
R4911
PAT/J3
R4912
PAT/J3
R4913
PAT/J3
R4914
PAT/J3
IC4906
PAT/NJM062M-DT1
R4917
PAT/J3
R4915
PAT/J3
C4915
33P/UV
R4916
PAT/J3
C4916
33P/UV
R4918
PAT/J3
C4917
0.1/UFV
C4918
0.1/UFV
+5VA
-5VA
IC4907
PAT/NJM062M-DT1
R4919
PAT/J3
C4919
0.1/UFV
C4920
0.1/UFV
(6)
CH1_MON2
MIX_MON2
CH2_MON2
C4904
0.1/UFV
C4905
0.1/UFV
IC4903
PAT/TC74VHCT244FTEL
IC4905
PAT/TC7W04FUTL
IC4907
PAT/NJM062M-DT1
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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11
12
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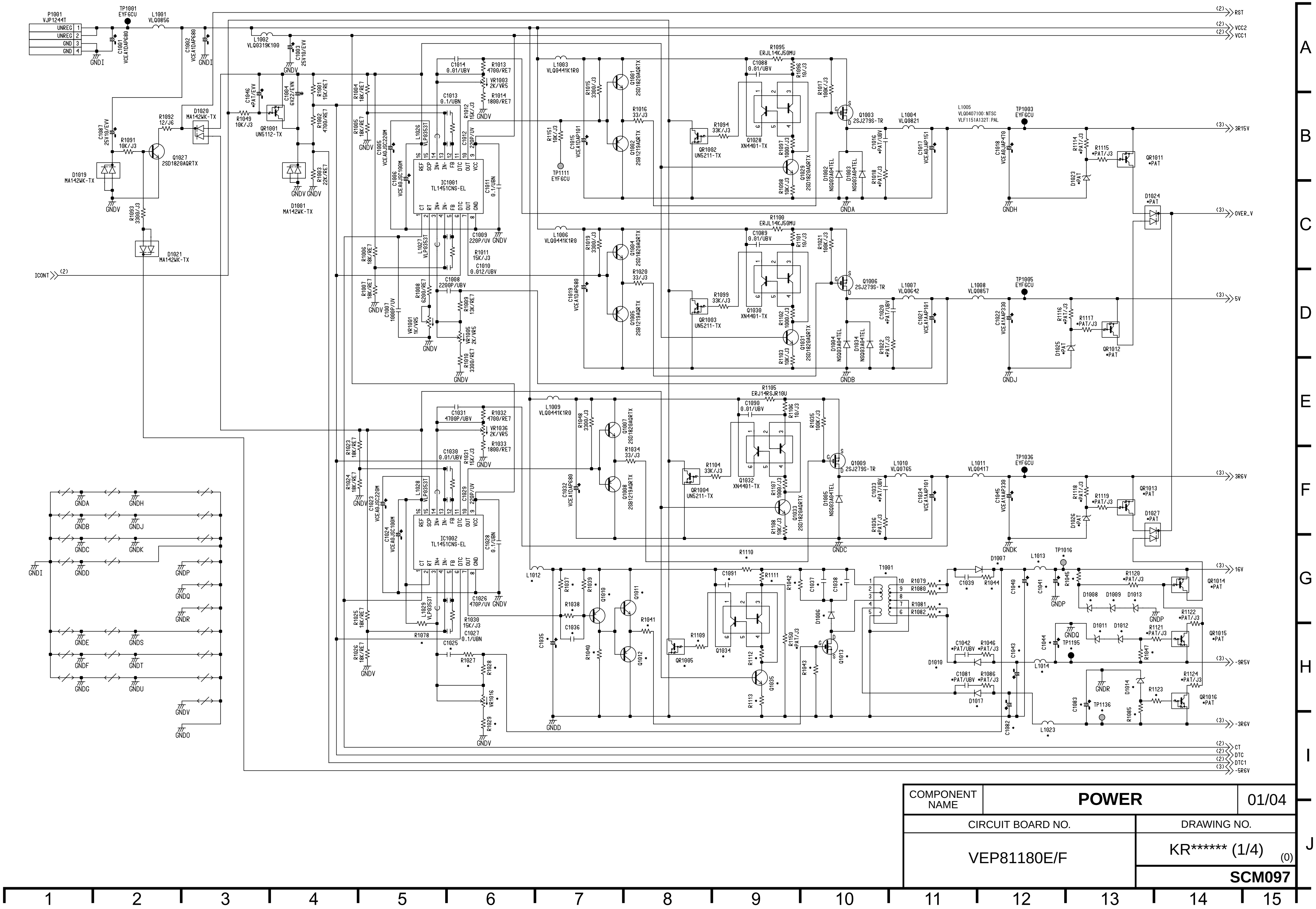
COMPONENT NAME	**AUDIO_LCD (CUE DELAY)**	11/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP04727B	KR****** (11/11) (0)	
	SCM096	


P1001
VJP1244T
UNREG 1
UNREG 2
GND 3
GND 4
TP1001
EYF6CU
L1001
VLQ0856
C1001
VCEA1DAP680
C1002
VCEA1DAP680
GNDI
L1002
VLQ0319K100
C1003
25V10/EVV
GNDV
C1046
•PAT/EVV
C1004
6V22/EVN
R1049
10K/J3
QR1001
UN5112-TX
R1001
15K/RE7
R1002
4700/RE7
R1003
22K/RE7
D1001
MA142WK-TX
C1087
25V10/EVV
R1091
10K/J3
R1092
12/J6
D1020
MA142WK-TX
Q1027
2SD1820AQRTX
D1019
MA142WK-TX
R1093
3300/J3
D1021
MA142WK-TX
ICONT (2)
C1014
0.01/UBV
R1013
4700/RE7
VR1003
2K/VR5
R1014
1800/RE7
C1013
0.1/UBN
R1012
15K/J3
R1004
18K/RE7
R1005
18K/RE7
L1026
VLP0353T
C1005
VCEA0JSC220M
C1006
VCEA0JSC100M
C1012
22OP/UV
IC1001
TL1451CNS-EL
C1011
0.1/UBN
C1009
220P/UV
L1027
VLP0353T
R1011
15K/J3
C1010
0.012/UBV
R1006
18K/RE7
R1007
18K/RE7
C1007
1000P/UV
R1008
6200/RE7
C1008
2200P/UBV
R1009
13K/RE7
VR1001
1K/VR5
VR1005
2K/VR5
R1010
3300/RE7
L1003
VLQ0441K1R0
R1015
3300/J3
Q1001
2SD1820AQRTX
R1016
33/J3
Q1002
2SB1219AQRTX
R1151
10K/J3
C1015
VCEA1DAP101
TP1111
EYF6CU
QR1002
UN5211-TX
R1094
33K/J3
R1095
ERJL14KJ50MU
C1088
0.01/UBV
R1096
10/J3
Q1028
XN4401-TX
R1097
1000/J3
Q1029
2SD1820AQRTX
R1098
10K/J3
R1017
100K/J3
Q1003
2SJ279S-TR
L1004
VLQ0821
D1002
NSQ03A04TEL
D1003
NSQ03A04TEL
C1016
•PAT/UBV
R1018
•PAT/J3
C1017
VCEA0JAP151
L1005
VLQ0407100:NTSC
VLF1151A132T-PAL
TP1003
EYF6CU
C1018
VCEA0JAP470
R1114
•PAT/J3
R1115
•PAT/J3
QR1011
•PAT
D1023
•PAT
D1024
•PAT
(3) 3R15V
(3) OVER_V
(2) RST
(2) VCC2
(2) VCC1
GNDA
GNDH
L1006
VLQ0441K1R0
R1019
3300/J3
Q1004
2SD1820AQRTX
R1020
33/J3
Q1005
2SB1219AQRTX
C1019
VCEA1DAP680
QR1003
UN5211-TX
R1099
33K/J3
R1100
ERJL14KJ50MU
C1089
0.01/UBV
R1101
10/J3
Q1030
XN4401-TX
R1102
1000/J3
Q1031
2SD1820AQRTX
R1103
10K/J3
R1021
100K/J3
Q1006
2SJ279S-TR
L1007
VLQ0642
D1004
NSQ03A04TEL
D1034
NSQ03A04TEL
C1020
•PAT/UBV
R1022
•PAT/J3
C1021
VCEA1AAP101
L1008
VLQ0857
TP1005
EYF6CU
C1022
VCEA1AAP330
R1116
•PAT/J3
R1117
•PAT/J3
QR1012
•PAT
D1025
•PAT
(3) 5V
GNDB
GNDJ
C1031
4700P/UBV
R1032
4700/RE7
VR1036
2K/VR5
R1033
1800/RE7
C1030
0.01/UBV
R1031
15K/J3
R1023
18K/RE7
R1024
18K/RE7
L1028
VLP0353T
C1029
220P/UV
C1023
VCEA0JSC220M
C1024
VCEA0JSC100M
IC1002
TL1451CNS-EL
C1028
0.1/UBN
C1026
470P/UV
L1029
VLP0353T
R1030
15K/J3
C1027
0.1/UBN
R1025
18K/RE7
R1026
18K/RE7
R1078
C1025
R1027
R1028
VR1016
R1029
L1009
VLQ0441K1R0
R1048
3300/J3
Q1007
2SD1820AQRTX
R1034
33/J3
Q1008
2SB1219AQRTX
C1032
VCEA1DAP680
QR1004
UN5211-TX
R1104
33K/J3
R1105
ERJ14RSJR10U
C1090
0.01/UBV
R1106
10/J3
Q1032
XN4401-TX
R1107
1000/J3
Q1033
2SD1820AQRTX
R1108
10K/J3
R1035
100K/J3
Q1009
2SJ279S-TR
L1010
VLQ0765
D1005
NSQ03A04TEL
C1033
•PAT/UBV
R1036
•PAT/J3
C1034
VCEA1AAP101
L1011
VLQ0417
TP1036
EYF6CU
C1045
VCEA1AAP330
R1118
•PAT/J3
R1119
•PAT/J3
QR1013
•PAT
D1026
•PAT
D1027
•PAT
(3) 3R6V
GNDC
GNDK
GNDA
GNDH
GNDB
GNDJ
GNDC
GNDK
GNDI
GNDD
GNDP
GNDQ
GNDR
GNDE
GNDS
GNDF
GNDT
GNDG
GNDU
GNDV
GNDO
L1012
R1037
R1039
R1038
C1036
Q1010
Q1011
C1035
R1040
R1041
Q1012
GNDD
R1110
C1091
R1111
R1042
C1037
C1038
Q1034
R1109
QR1005
R1112
R1150
•PAT/J3
D1006
Q1013
R1043
Q1035
R1113
T1001
R1079
R1080
R1081
R1082
C1039
R1044
D1007
L1013
TP1016
C1040
C1041
R1045
GNDP
D1008
D1009
D1013
R1120
•PAT/J3
QR1014
•PAT
(3) 16V
C1042
•PAT/UBV
R1046
•PAT/J3
D1010
C1043
C1044
GNDQ
TP1195
D1011
D1012
R1121
•PAT/J3
R1122
•PAT/J3
QR1015
•PAT
R1047
L1014
(3) -9R5V
C1081
•PAT/UBV
R1086
•PAT/J3
D1017
C1082
GNDR
D1014
R1123
R1124
•PAT/J3
QR1016
•PAT
C1083
TP1136
R1085
L1023
(3) -3R6V
(2) CT
(2) DTC
(2) DTC1
(3) -5R6V
A
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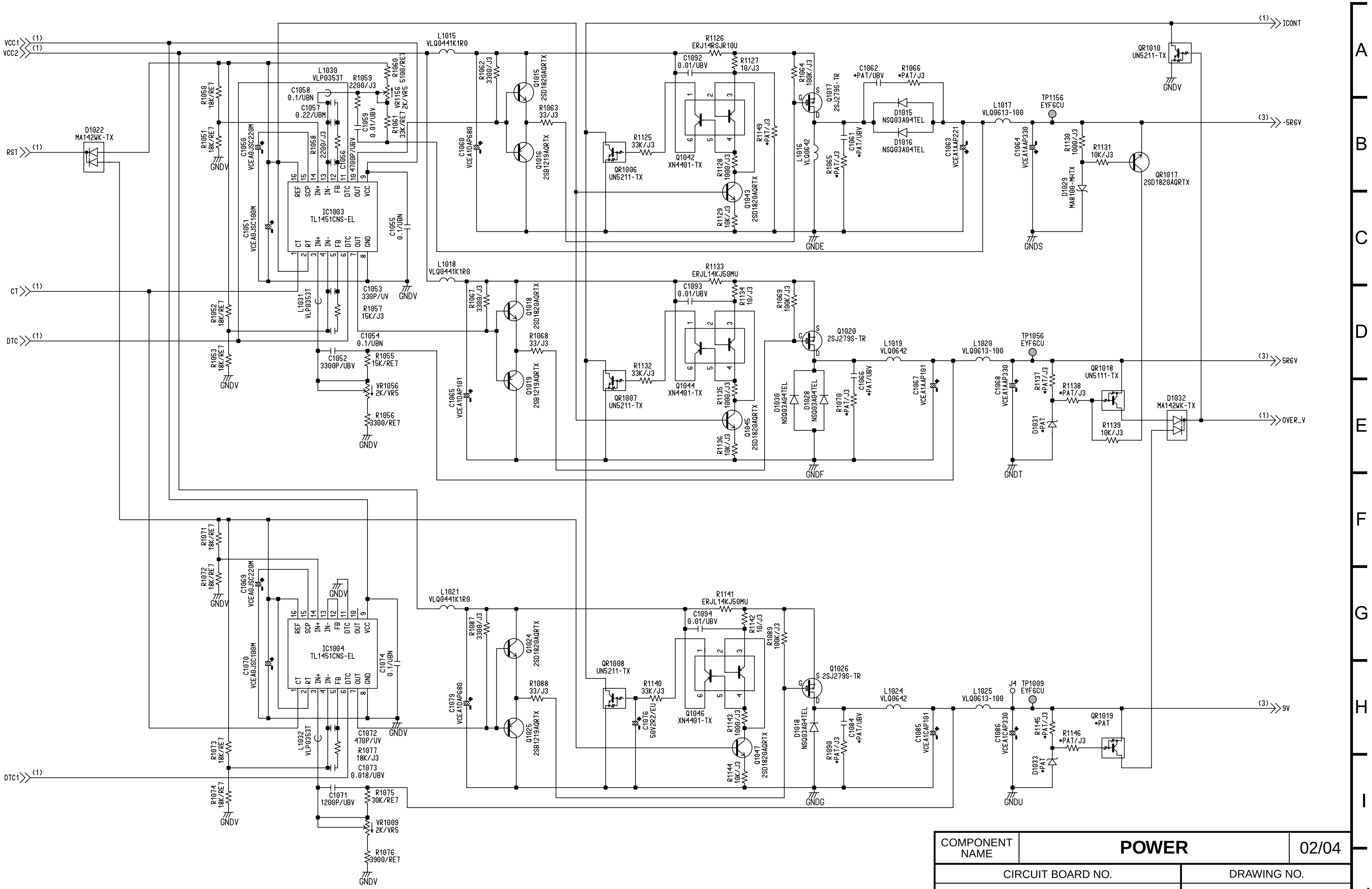
COMPONENT NAME	POWER	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81180E/F		KR****** (1/4) (0)
		SCM097


VCC1 (1)
VCC2 (1)
RST (1)
CT (1)
DTC (1)
DTC1 (1)
(1) ICONT
(3) -5R6V
(3) 5R6V
(1) OVER_V
(3) 9V
D1022 MA142WK-TX
R1050 18K/RE7
R1051 18K/RE7
R1052 18K/RE7
R1053 18K/RE7
C1050 VCEA0JSC220M
C1051 VCEA0JSC100M
L1030 VLP0353T
L1031 VLP0353T
C1058 0.1/UBN
C1057 0.22/UBM
R1059 2200/J3
R1060 5100/RE7
VR1156 2K/VR5
R1061 33K/RE7
C1059 0.01/UBV
R1058 2200/J3
C1056 4700P/UBV
IC1003 TL1451CNS-EL
REF SCP IN+ IN- FB DTC OUT VCC
CT RT IN+ IN- FB DTC OUT GND
C1055 0.1/UBN
C1053 330P/UV
R1057 15K/J3
C1054 0.1/UBN
C1052 3300P/UBV
R1055 15K/RE7
VR1056 2K/VR5
R1056 3300/RE7
GNDV
L1015 VLQ0441K1R0
R1062 3300/J3
Q1015 2SD1820AQRTX
R1063 33/J3
C1060 VCEA1DAP680
Q1016 2SB1219AQRTX
R1126 ERJ14RSJR10U
C1092 0.01/UBV
R1127 10/J3
QR1006 UN5211-TX
R1125 33K/J3
Q1042 XN4401-TX
R1149 *PAT/J3
R1128 1000/J3
Q1043 2SD1820AQRTX
R1129 10K/J3
R1064 100K/J3
Q1017 2SJ279S-TR
L1016 VLQ0642
R1065 *PAT/J3
C1061 *PAT/UBV
C1062 *PAT/UBV
R1066 *PAT/J3
D1015 NSQ03A04TEL
D1016 NSQ03A04TEL
C1063 VCEA1AAP221
L1017 VLQ0613-100
TP1156 EYF6CU
C1064 VCEA1AAP330
R1130 1000/J3
D1029 MA8100-MHTX
R1131 10K/J3
Q1017 2SD1820AQRTX
QR1010 UN5211-TX
GNDE
GNDS
L1018 VLQ0441K1R0
R1067 3300/J3
Q1018 2SD1820AQRTX
R1068 33/J3
C1065 VCEA1DAP101
Q1019 2SB1219AQRTX
R1133 ERJL14KJ50MU
C1093 0.01/UBV
R1134 10/J3
QR1007 UN5211-TX
R1132 33K/J3
Q1044 XN4401-TX
R1135 1000/J3
Q1045 2SD1820AQRTX
R1136 10K/J3
R1069 100K/J3
Q1020 2SJ279S-TR
D1030 NSQ03A04TEL
D1028 NSQ03A04TEL
R1070 *PAT/J3
C1066 *PAT/UBV
L1019 VLQ0642
C1067 VCEA1AAP101
L1020 VLQ0613-100
TP1056 EYF6CU
C1068 VCEA1AAP330
R1137 *PAT/J3
R1138 *PAT/J3
D1031 *PAT
QR1018 UN5111-TX
R1139 10K/J3
D1032 MA142WK-TX
GNDF
GNDT
R1071 18K/RE7
R1072 18K/RE7
R1073 18K/RE7
R1074 18K/RE7
C1069 VCEA0JSC220M
C1070 VCEA0JSC100M
IC1004 TL1451CNS-EL
C1074 0.1/UBN
L1032 VLP0353T
C1072 470P/UV
R1077 18K/J3
C1073 0.018/UBV
C1071 1200P/UBV
R1075 30K/RE7
VR1009 2K/VR5
R1076 3900/RE7
L1021 VLQ0441K1R0
R1087 3300/J3
Q1024 2SD1820AQRTX
R1088 33/J3
C1079 VCEA1DAP680
Q1025 2SB1219AQRTX
R1141 ERJL14KJ50MU
C1094 0.01/UBV
R1142 10/J3
R1089 100K/J3
QR1008 UN5211-TX
R1140 33K/J3
C1076 50V2R2/EU
Q1046 XN4401-TX
R1143 1000/J3
Q1047 2SD1820AQRTX
R1144 10K/J3
Q1026 2SJ279S-TR
D1019 NSQ03A04TEL
R1090 *PAT/J3
C1084 *PAT/UBV
L1024 VLQ0642
C1085 VCEA1CAP101
L1025 VLQ0613-100
J4
TP1009 EYF6CU
C1086 VCEA1CAP330
R1145 *PAT/J3
R1146 *PAT/J3
D1033 *PAT
QR1019 *PAT
GNDG
GNDU
A
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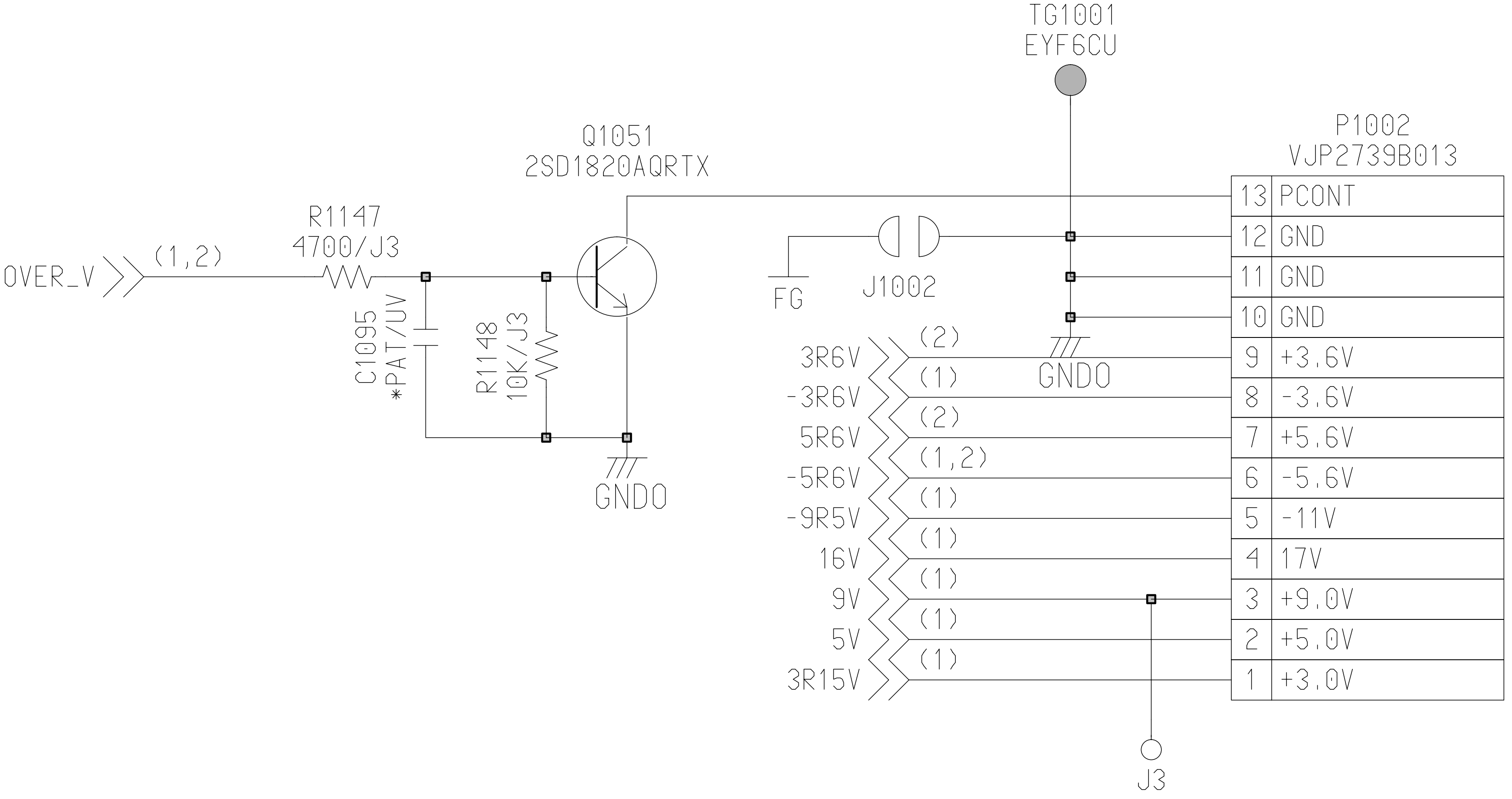
COMPONENT NAME	POWER	02/04

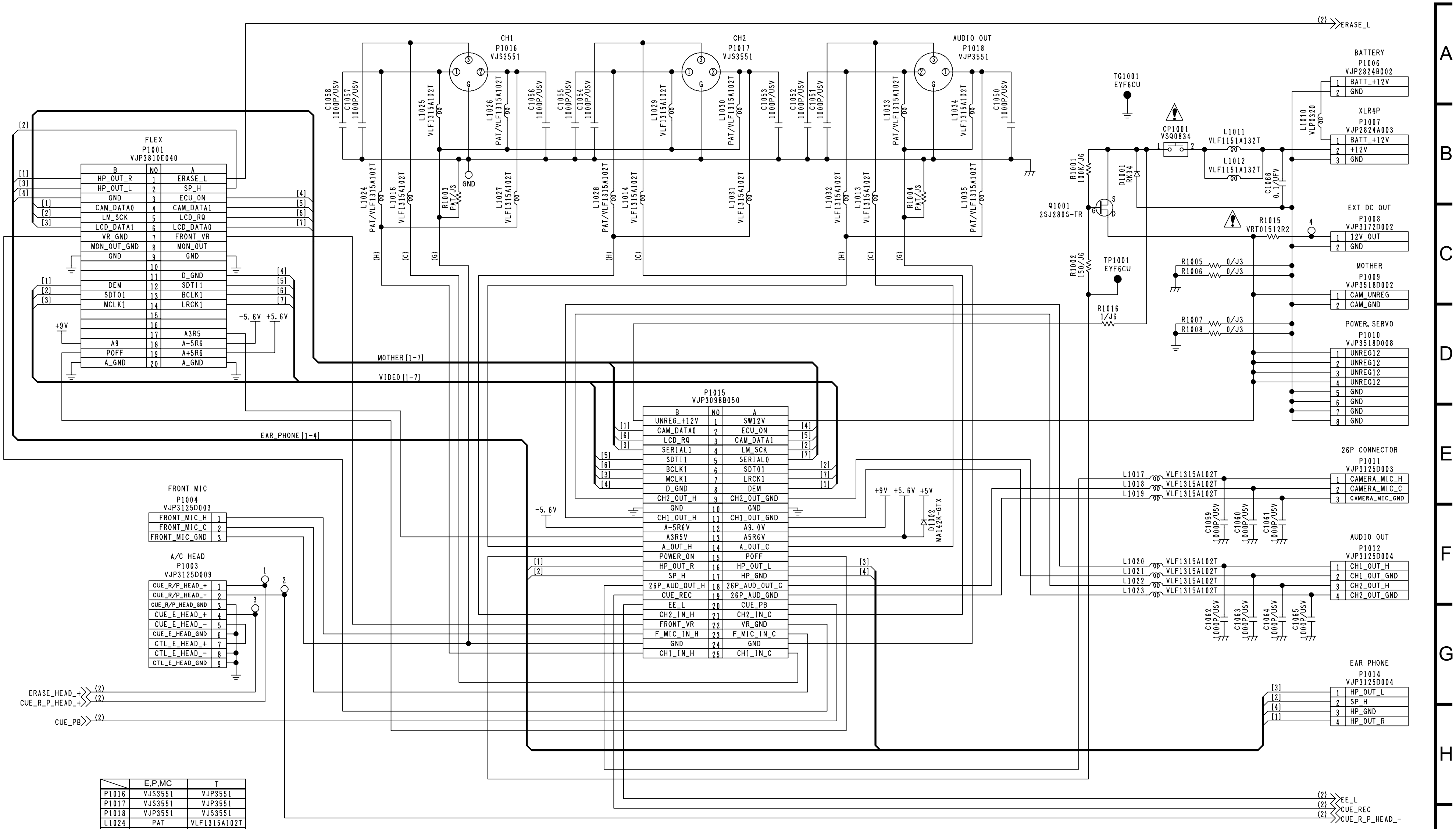
CIRCUIT BOARD NO.	DRAWING NO.
VEP81180E/F	KR****** (2/4) (0)
	SCM098


TG1001
EYF6CU
Q1051
2SD1820AQRTX
P1002
VJP2739B013
R1147
4700/J3
OVER_V
(1,2)
C1095
*PAT/UV
R1148
10K/J3
GNDO
FG
J1002
GNDO
13 PCONT
12 GND
11 GND
10 GND
9 +3.6V
8 -3.6V
7 +5.6V
6 -5.6V
5 -11V
4 17V
3 +9.0V
2 +5.0V
1 +3.0V
3R6V (2)
-3R6V (1)
5R6V (2)
-5R6V (1,2)
-9R5V (1)
16V (1)
9V (1)
5V (1)
3R15V (1)
J3

COMPONENT NAME	**POWER**	03/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81180E/F	KR****** (3/4) (0)	
	SCM099	

REF	D610WB,P,E,MC	REF	D610WB,P,E,MC	REF	D610WB,P,E,MC
C1016	*PAT/UBV	D1033	*PAT	R1078	*PAT/J3
C1020	*PAT/UBV	J1002	*PAT	R1079	0/J6
C1025	680P/UV	L1012	VLQ0441K1R0	R1080	*PAT/J6
C1033	*PAT/UBV	L1013	VLQ0613-100	R1081	*PAT/J6
C1035	VCEA1DAP680	L1014	VLQ0613-100	R1082	0/J6
C1036	100P/UV	L1023	VLQ0417	R1085	68/J3
C1037	0.033/UBN	Q1010	2SB1219AQRTX	R1086	*PAT/J3
C1038	0.033/UBN	Q1011	2SD1820AQRTX	R1090	*PAT/J3
C1039	330P/UV	Q1012	2SB1219AQRTX	R1109	33K/J3
C1040	ECA1EFQ221L	Q1013	2SK1748-Z-T1	R1110	ERJL14KJ50MU
C1041	ECA1EFQ221L	Q1034	XN4401-TX	R1111	10/J3
C1042	*PAT/UBV	Q1035	2SD1820AQRTX	R1112	1000/J3
C1043	VCEA1CAP101	QR1005	UN5211-TX	R1113	10K/J3
C1044	EEUFA1C471L	QR1011	*PAT	R1114	*PAT/J3
C1046	*PAT/EVV	QR1012	*PAT	R1115	*PAT/J3
C1061	*PAT/UBV	QR1013	*PAT	R1116	*PAT/J3
C1062	*PAT/UBV	QR1014	*PAT	R1117	*PAT/J3
C1066	*PAT/UBV	QR1015	*PAT	R1118	*PAT/J3
C1081	*PAT/UBV	QR1016	*PAT	R1119	*PAT/J3
C1082	VCEA0JAP151	QR1019	*PAT	R1120	1000/J3
C1083	VCEA1AAP330	R1018	*PAT/J3	R1121	*PAT/J3
C1084	*PAT/UBV	R1022	*PAT/J3	R1122	*PAT/J3
C1091	0.01/UBV	R1027	10K/J3	R1123	*PAT/J3
C1095	*PAT/UV	R1028	91K/RE7	R1124	*PAT/J3
D1006	SFPB-76V	R1029	6200/RE7	R1137	*PAT/J3
D1007	MA739-TX	R1036	*PAT/J3	R1138	*PAT/J3
D1008	MA8068-MHTX	R1037	3300/J3	R1145	*PAT/J3
D1009	MA8068-MHTX	R1038	56K/J3	R1146	*PAT/J3
D1010	SFPB-76V	R1039	33K/J3	R1149	*PAT/J3
D1011	MA8068-MHTX	R1040	3300/J3	R1150	*PAT/J3
D1012	MA8068-MHTX	R1041	33/J3	T1001	VTP05141
D1013	MA8068-MHTX	R1042	4700/J8	TP1016	EYF6CU
D1014	MA8043-MHTX	R1043	100K/J3	TP1136	EYF6CU
D1017	NSQ03A04	R1044	120/J3	TP1195	EYF6CU
D1023	*PAT	R1045	68/J3	VR1016	2K/VR5
D1024	*PAT	R1046	*PAT/J3		
D1025	*PAT	R1047	68/J3		
D1026	*PAT	R1065	*PAT/J3		
D1027	*PAT	R1066	*PAT/J3		
D1031	*PAT	R1070	*PAT/J3		

COMPONENT NAME	**POWER**		04/04
CIRCUIT BOARD NO.		DRAWING NO.	
VEP81180E/F		KR****** (4/4) (0)	
		SCM100	


ERASE_L
CH1
P1016
VJS3551
CH2
P1017
VJS3551
AUDIO OUT
P1018
VJP3551
C1058 1000P/USV
C1057 1000P/USV
L1025 VLF1315A102T
L1026 PAT/VLF1315A102T
C1056 1000P/USV
C1055 1000P/USV
C1054 1000P/USV
L1029 VLF1315A102T
L1030 PAT/VLF1315A102T
C1053 1000P/USV
C1052 1000P/USV
C1051 1000P/USV
L1033 PAT/VLF1315A102T
L1034 VLF1315A102T
C1050 1000P/USV
L1024 PAT/VLF1315A102T
L1016 VLF1315A102T
R1003 PAT/J3
GND
L1027 VLF1315A102T
L1028 PAT/VLF1315A102T
L1014 VLF1315A102T
L1031 VLF1315A102T
L1032 VLF1315A102T
L1013 VLF1315A102T
R1004 PAT/J3
L1035 PAT/VLF1315A102T
(H)
(C)
(G)
FLEX
P1001
VJP3810E040
HP_OUT_R
HP_OUT_L
GND
CAM_DATA0
LM_SCK
LCD_DATA1
VR_GND
MON_OUT_GND
ERASE_L
SP_H
ECU_ON
CAM_DATA1
LCD_RQ
LCD_DATA0
FRONT_VR
MON_OUT
D_GND
DEM
SDT01
MCLK1
SDTI1
BCLK1
LRCK1
A3R5
A9
A-5R6
POFF
A+5R6
A_GND
+9V
-5.6V
+5.6V
MOTHER [1-7]
VIDEO [1-7]
EAR_PHONE [1-4]
P1015
VJP3098B050
UNREG_+12V
SW12V
SERIAL1
SERIAL0
CH2_OUT_H
CH2_OUT_GND
CH1_OUT_H
CH1_OUT_GND
A-5R6V
A9.0V
A5R6V
A_OUT_H
A_OUT_C
POWER_ON
HP_OUT_R
HP_OUT_L
HP_GND
26P_AUD_OUT_H
26P_AUD_OUT_C
CUE_REC
26P_AUD_GND
EE_L
CUE_PB
CH2_IN_H
CH2_IN_C
FRONT_VR
VR_GND
F_MIC_IN_H
F_MIC_IN_C
CH1_IN_H
CH1_IN_C
+9V
+5.6V
+5V
D1002 MA142K-GTX
FRONT MIC
P1004
VJP3125D003
FRONT_MIC_H
FRONT_MIC_C
FRONT_MIC_GND
A/C HEAD
P1003
VJP3125D009
CUE_R/P_HEAD_+
CUE_R/P_HEAD_-
CUE_R/P_HEAD_GND
CUE_E_HEAD_+
CUE_E_HEAD_-
CUE_E_HEAD_GND
CTL_E_HEAD_+
CTL_E_HEAD_-
CTL_E_HEAD_GND
ERASE_HEAD_+
CUE_R_P_HEAD_+
CUE_PB
TG1001
EYF6CU
CP1001
VSQ0834
L1011
VLF1151A132T
L1012
VLF1151A132T
C1066 0.1/16V
L1010
VLP0320
R1001 100K/J6
D1001 RK34
Q1001
2SJ280S-TR
R1015
VRT01512R2
R1002 150/J6
TP1001
EYF6CU
R1016 1/J6
R1005 0/J3
R1006 0/J3
R1007 0/J3
R1008 0/J3
BATTERY
P1006
VJP2824B002
BATT_+12V
GND
XLR4P
P1007
VJP2824A003
+12V
EXT DC OUT
P1008
VJP3172D002
12V_OUT
MOTHER
P1009
VJP3518D002
CAM_UNREG
CAM_GND
POWER, SERVO
P1010
VJP3518D008
UNREG12
26P CONNECTOR
P1011
VJP3125D003
CAMERA_MIC_H
CAMERA_MIC_C
CAMERA_MIC_GND
L1017 VLF1315A102T
L1018 VLF1315A102T
L1019 VLF1315A102T
C1059 1000P/USV
C1060 1000P/USV
C1061 1000P/USV
AUDIO OUT
P1012
VJP3125D004
CH1_OUT_H
CH1_OUT_GND
CH2_OUT_H
CH2_OUT_GND
L1020 VLF1315A102T
L1021 VLF1315A102T
L1022 VLF1315A102T
L1023 VLF1315A102T
C1062 1000P/USV
C1063 1000P/USV
C1064 1000P/USV
C1065 1000P/USV
EAR PHONE
P1014
VJP3125D004
HP_OUT_L
SP_H
HP_GND
HP_OUT_R
EE_L
CUE_REC
CUE_R_P_HEAD_-

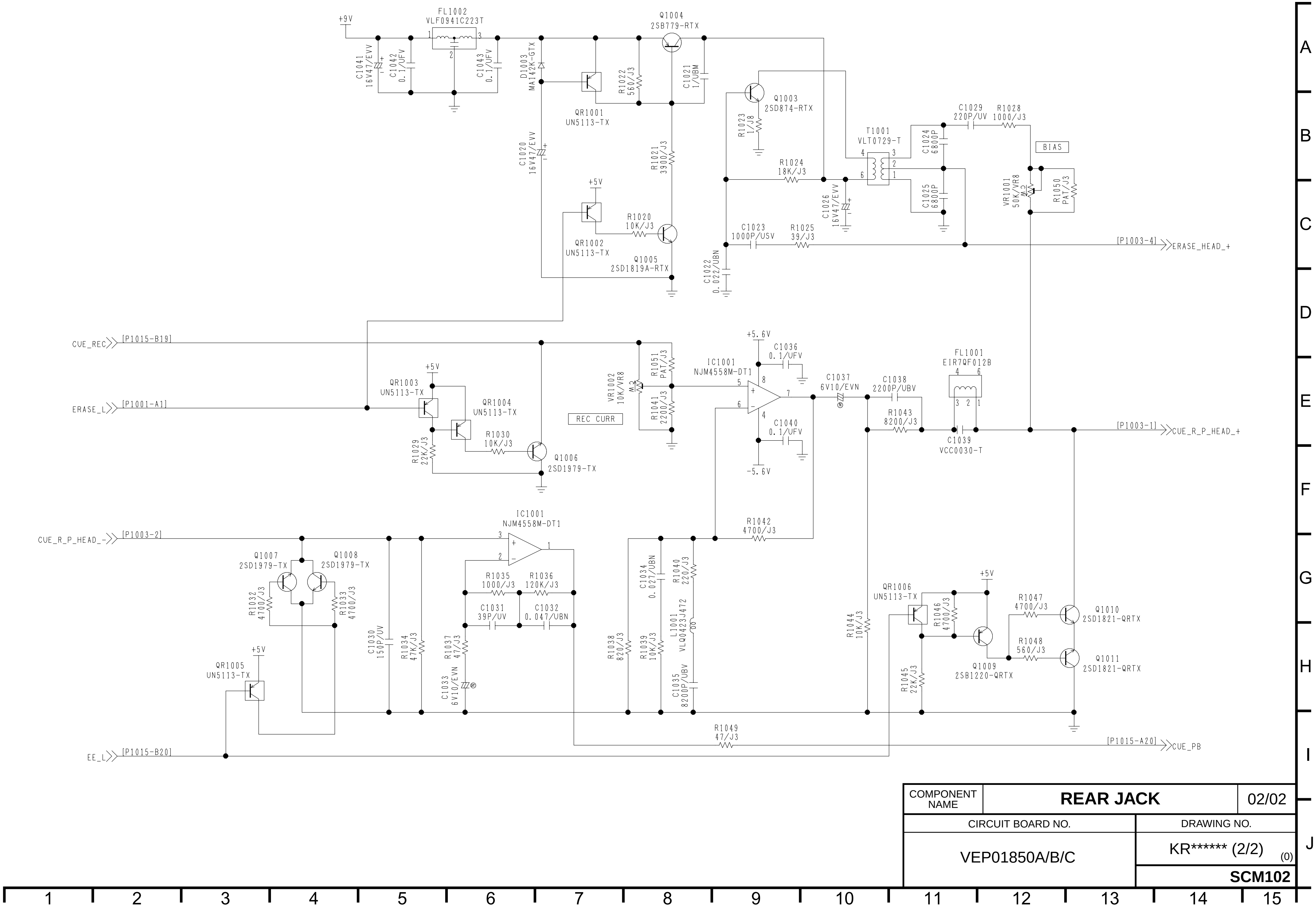
	E,P,MC	T
P1016	VJS3551	VJP3551
P1017	VJS3551	VJP3551
P1018	VJP3551	VJS3551
L1024	PAT	VLF1315A102T
L1025	VLF1315A102T	PAT
L1026	PAT	VLF1315A102T
L1027	VLF1315A102T	PAT
L1028	PAT	VLF1315A102T
L1029	VLF1315A102T	PAT
L1030	PAT	VLF1315A102T
L1031	VLF1315A102T	PAT
L1032	VLF1315A102T	PAT
L1033	PAT	VLF1315A102T
L1034	VLF1315A102T	PAT
L1035	PAT	VLF1315A102T

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	REAR JACK	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP01850A/B/C	KR****** (1/2) (0)	
	SCM101	


+9V
FL1002
VLF0941C223T
C1041
16V47/EVV
C1042
0.1/UFV
C1043
0.1/UFV
D1003
MA142K-GTX
QR1001
UN5113-TX
R1022
560/J3
Q1004
2SB779-RTX
C1021
1/UBM
Q1003
2SD874-RTX
R1023
1/J8
T1001
VLT0729-T
C1029
220P/UV
R1028
1000/J3
C1024
680P
C1025
680P
BIAS
VR1001
50K/VR8
R1050
PAT/J3
R1024
18K/J3
C1026
16V47/EVV
C1020
16V47/EVV
R1021
3900/J3
+5V
QR1002
UN5113-TX
R1020
10K/J3
Q1005
2SD1819A-RTX
C1023
1000P/USV
R1025
39/J3
C1022
0.022/UBN
[P1003-4]
ERASE_HEAD_+
CUE_REC
[P1015-B19]
ERASE_L
[P1001-A1]
+5V
QR1003
UN5113-TX
QR1004
UN5113-TX
R1029
22K/J3
R1030
10K/J3
Q1006
2SD1979-TX
VR1002
10K/VR8
R1051
PAT/J3
R1041
2200/J3
REC CURR
+5.6V
C1036
0.1/UFV
IC1001
NJM4558M-DT1
C1040
0.1/UFV
-5.6V
C1037
6V10/EVN
C1038
2200P/UBV
R1043
8200/J3
FL1001
EIR7QF012B
C1039
VCC0030-T
[P1003-1]
CUE_R_P_HEAD_+
CUE_R_P_HEAD_-
[P1003-2]
Q1007
2SD1979-TX
Q1008
2SD1979-TX
R1032
4700/J3
R1033
4700/J3
QR1005
UN5113-TX
C1030
150P/UV
R1034
47K/J3
IC1001
NJM4558M-DT1
R1035
1000/J3
R1036
120K/J3
C1031
39P/UV
C1032
0.047/UBN
R1037
47/J3
C1033
6V10/EVN
R1042
4700/J3
C1034
0.027/UBN
R1040
220/J3
L1001
VLQ0423J472
R1038
820/J3
R1039
10K/J3
C1035
8200P/UBV
R1044
10K/J3
QR1006
UN5113-TX
R1046
4700/J3
R1045
22K/J3
Q1009
2SB1220-QRTX
R1047
4700/J3
R1048
560/J3
Q1010
2SD1821-QRTX
Q1011
2SD1821-QRTX
R1049
47/J3
[P1015-A20]
CUE_PB
EE_L
[P1015-B20]
A
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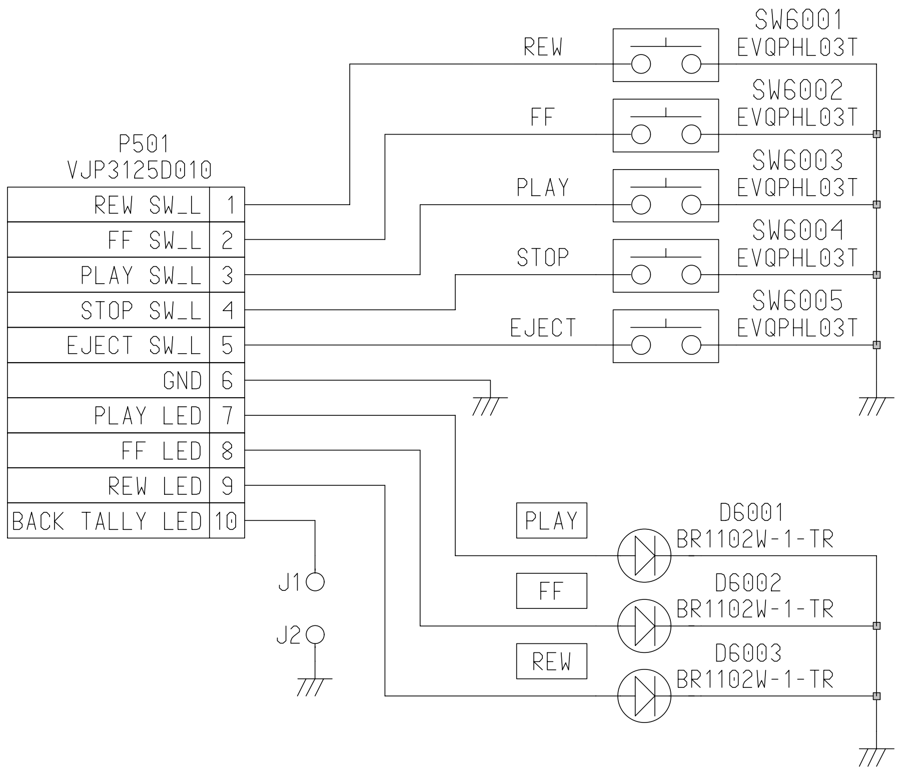
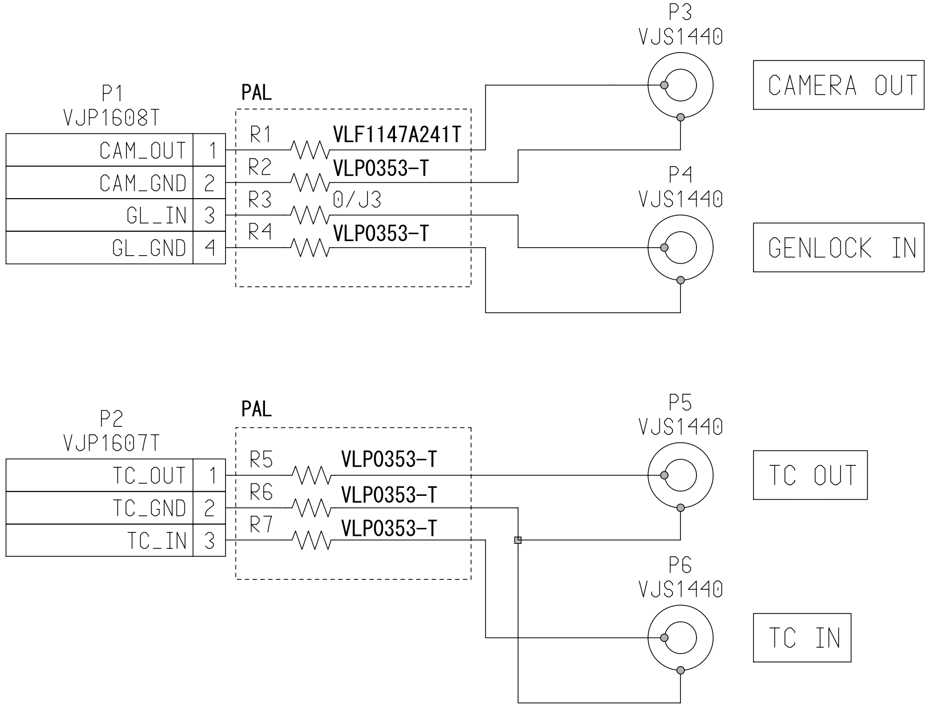
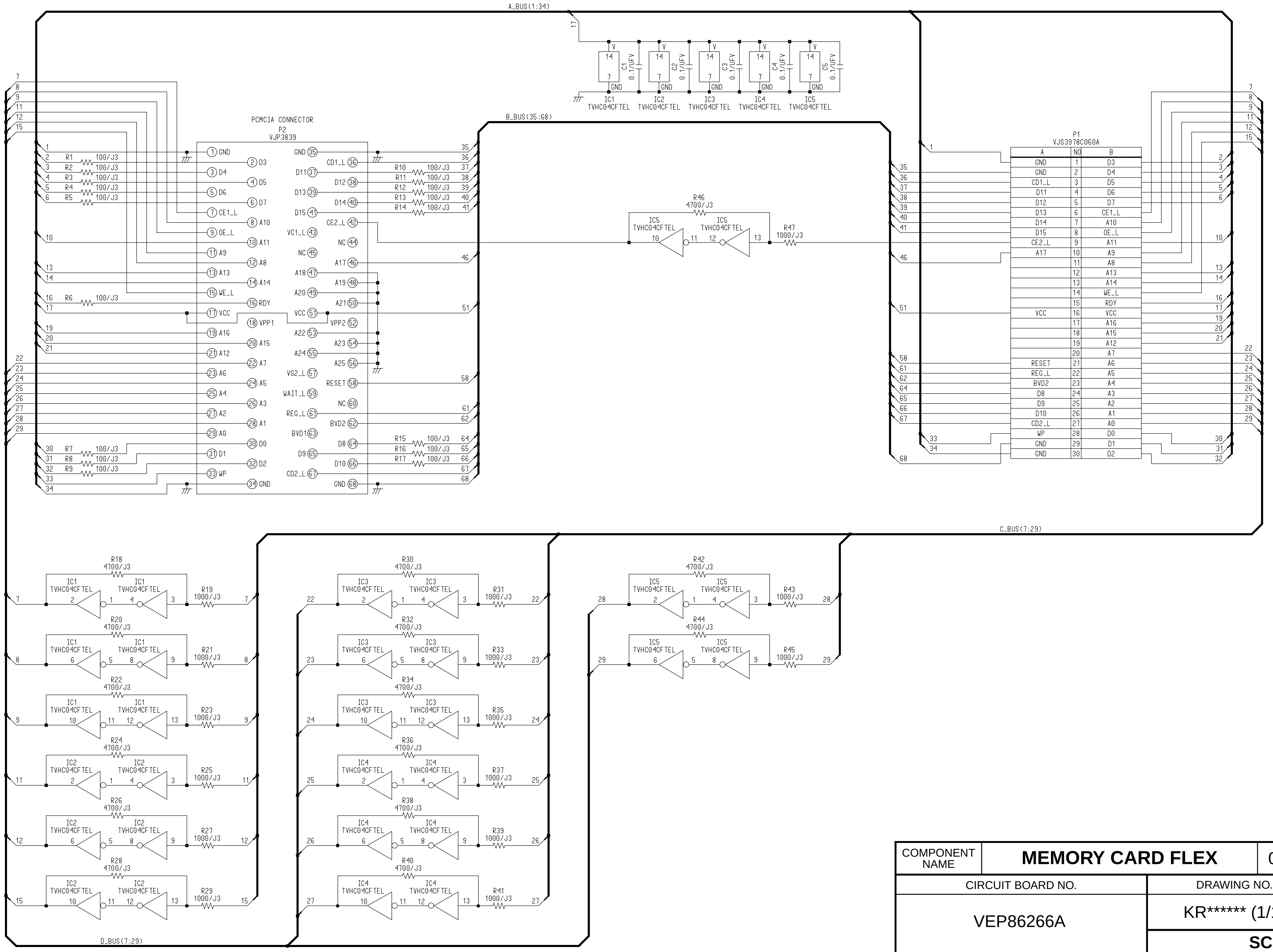
COMPONENT NAME	REAR JACK		02/02
CIRCUIT BOARD NO.		DRAWING NO.	
VEP01850A/B/C		KR****** (2/2) (0)	
		SCM102	


P501
VJP3125D010
REW SW_L 1
FF SW_L 2
PLAY SW_L 3
STOP SW_L 4
EJECT SW_L 5
GND 6
PLAY LED 7
FF LED 8
REW LED 9
BACK TALLY LED 10
REW
FF
PLAY
STOP
EJECT
SW6001
EVQPHL03T
SW6002
EVQPHL03T
SW6003
EVQPHL03T
SW6004
EVQPHL03T
SW6005
EVQPHL03T
J1
J2
PLAY
FF
REW
D6001
BR1102W-1-TR
D6002
BR1102W-1-TR
D6003
BR1102W-1-TR

COMPONENT NAME	**OPERATE**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86149A	KR****** (1/1) (0)	
	SCM103	


P1
VJP1608T
CAM_OUT 1
CAM_GND 2
GL_IN 3
GL_GND 4
PAL
R1 VLF1147A241T
R2 VLP0353-T
R3 0/J3
R4 VLP0353-T
P3
VJS1440
CAMERA OUT
P4
VJS1440
GENLOCK IN
P2
VJP1607T
TC_OUT 1
TC_GND 2
TC_IN 3
PAL
R5 VLP0353-T
R6 VLP0353-T
R7 VLP0353-T
P5
VJS1440
TC OUT
P6
VJS1440
TC IN

COMPONENT NAME	**BNC**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80A33A/C	KR****** (1/1) (0)	
	SCM103	

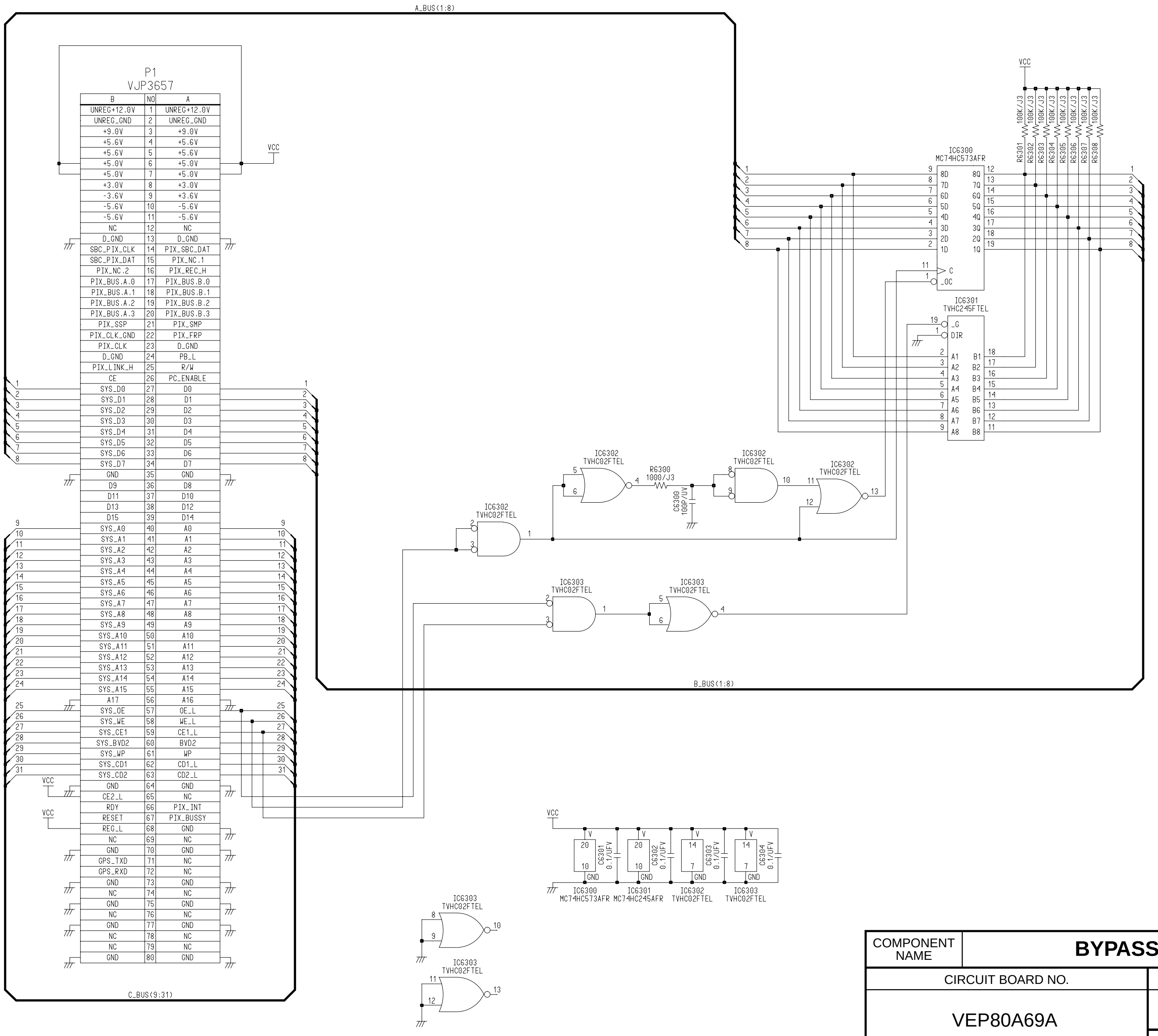

A_BUS(1:34)
B_BUS(35:68)
C_BUS(7:29)
D_BUS(7:29)
PCMCIA CONNECTOR
P2
VJP3839
P1
VJS3978C060A
IC1 TVHC04CFTEL
IC2 TVHC04CFTEL
IC3 TVHC04CFTEL
IC4 TVHC04CFTEL
IC5 TVHC04CFTEL
C1 0.1/UFV
C2 0.1/UFV
C3 0.1/UFV
C4 0.1/UFV
C5 0.1/UFV
R1 100/J3
R2 100/J3
R3 100/J3
R4 100/J3
R5 100/J3
R6 100/J3
R7 100/J3
R8 100/J3
R9 100/J3
R10 100/J3
R11 100/J3
R12 100/J3
R13 100/J3
R14 100/J3
R15 100/J3
R16 100/J3
R17 100/J3
R46 4700/J3
R47 1000/J3
GND
D3
D4
D5
D6
D7
CE1_L
A10
OE_L
A11
A9
A8
A13
A14
WE_L
RDY
VCC
VPP1
A16
A15
A12
A7
A6
A5
A4
A3
A2
A1
A0
D0
D1
D2
WP
D11
D12
D13
D14
D15
CD1_L
CE2_L
VC1_L
NC
A17
A18
A19
A20
A21
VPP2
A22
A23
A24
A25
VS2_L
RESET
WAIT_L
REG_L
BVD2
BVD1
D8
D9
D10
CD2_L
R18 4700/J3
R19 1000/J3
R20 4700/J3
R21 1000/J3
R22 4700/J3
R23 1000/J3
R24 4700/J3
R25 1000/J3
R26 4700/J3
R27 1000/J3
R28 4700/J3
R29 1000/J3
R30 4700/J3
R31 1000/J3
R32 4700/J3
R33 1000/J3
R34 4700/J3
R35 1000/J3
R36 4700/J3
R37 1000/J3
R38 4700/J3
R39 1000/J3
R40 4700/J3
R41 1000/J3
R42 4700/J3
R43 1000/J3
R44 4700/J3
R45 1000/J3

COMPONENT NAME
MEMORY CARD FLEX
01/01

CIRCUIT BOARD NO.
VEP86266A

DRAWING NO.
KR****** (1/1)
(1)

SCM104

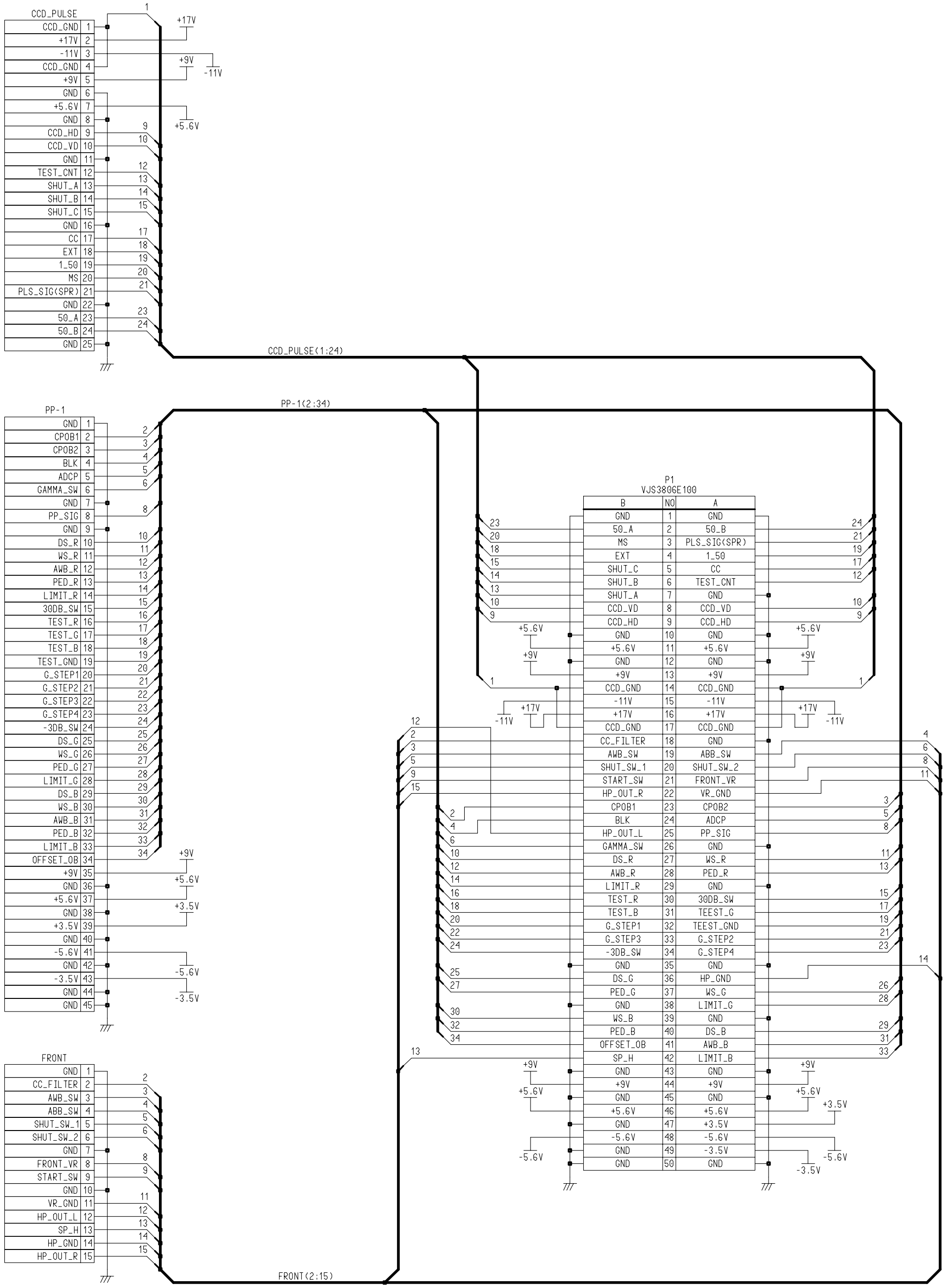

A_BUS(1:8)
B_BUS(1:8)
C_BUS(9:31)
VCC
IC6300
MC74HC573AFR
8D 7D 6D 5D 4D 3D 2D 1D
8Q 7Q 6Q 5Q 4Q 3Q 2Q 1Q
C
_OC
IC6301
TVHC245FTEL
_G
DIR
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
R6301 R6302 R6303 R6304 R6305 R6306 R6307 R6308
100K/J3
IC6302
TVHC02FTEL
R6300
1000/J3
C6300
100P/UV
IC6303
TVHC02FTEL
V
GND
C6301 0.1/UFV
C6302 0.1/UFV
C6303 0.1/UFV
C6304 0.1/UFV
IC6300 MC74HC573AFR
IC6301 MC74HC245AFR
IC6302 TVHC02FTEL
IC6303 TVHC02FTEL

P1
VJP3657

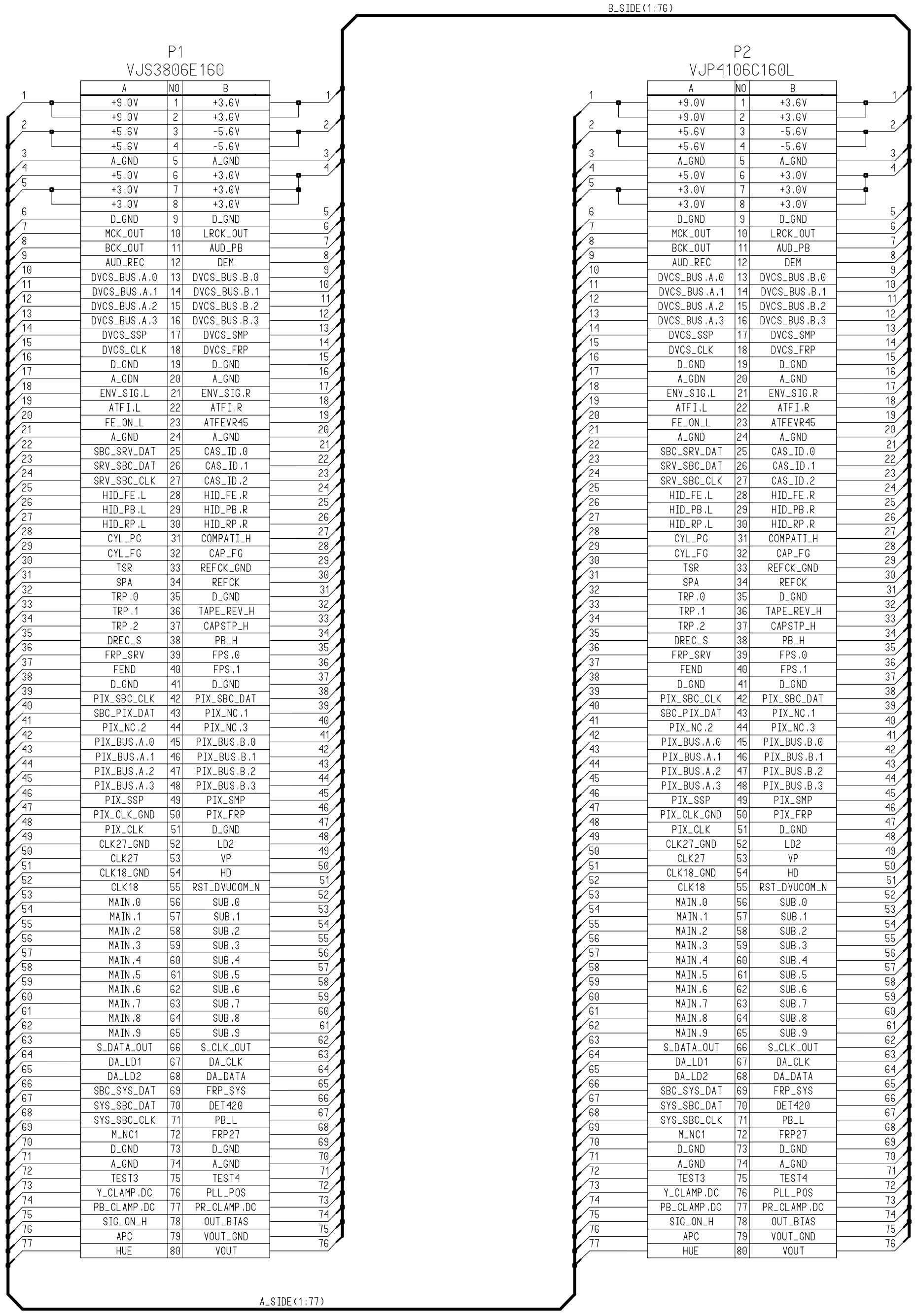
B	NO	A
UNREG+12.0V	1	UNREG+12.0V
UNREG_GND	2	UNREG_GND
+9.0V	3	+9.0V
+5.6V	4	+5.6V
+5.6V	5	+5.6V
+5.0V	6	+5.0V
+5.0V	7	+5.0V
+3.0V	8	+3.0V
-3.6V	9	+3.6V
-5.6V	10	-5.6V
-5.6V	11	-5.6V
NC	12	NC
D_GND	13	D_GND
SBC_PIX_CLK	14	PIX_SBC_DAT
SBC_PIX_DAT	15	PIX_NC.1
PIX_NC.2	16	PIX_REC_H
PIX_BUS.A.0	17	PIX_BUS.B.0
PIX_BUS.A.1	18	PIX_BUS.B.1
PIX_BUS.A.2	19	PIX_BUS.B.2
PIX_BUS.A.3	20	PIX_BUS.B.3
PIX_SSP	21	PIX_SMP
PIX_CLK_GND	22	PIX_FRP
PIX_CLK	23	D_GND
D_GND	24	PB_L
PIX_LINK_H	25	R/W
CE	26	PC_ENABLE
SYS_D0	27	D0
SYS_D1	28	D1
SYS_D2	29	D2
SYS_D3	30	D3
SYS_D4	31	D4
SYS_D5	32	D5
SYS_D6	33	D6
SYS_D7	34	D7
GND	35	GND
D9	36	D8
D11	37	D10
D13	38	D12
D15	39	D14
SYS_A0	40	A0
SYS_A1	41	A1
SYS_A2	42	A2
SYS_A3	43	A3
SYS_A4	44	A4
SYS_A5	45	A5
SYS_A6	46	A6
SYS_A7	47	A7
SYS_A8	48	A8
SYS_A9	49	A9
SYS_A10	50	A10
SYS_A11	51	A11
SYS_A12	52	A12
SYS_A13	53	A13
SYS_A14	54	A14
SYS_A15	55	A15
A17	56	A16
SYS_OE	57	OE_L
SYS_WE	58	WE_L
SYS_CE1	59	CE1_L
SYS_BVD2	60	BVD2
SYS_WP	61	WP
SYS_CD1	62	CD1_L
SYS_CD2	63	CD2_L
GND	64	GND
CE2_L	65	NC
RDY	66	PIX_INT
RESET	67	PIX_BUSSY
REG_L	68	GND
NC	69	NC
GND	70	GND
GPS_TXD	71	NC
GPS_RXD	72	NC
GND	73	GND
NC	74	NC
GND	75	GND
NC	76	NC
GND	77	GND
NC	78	NC
NC	79	NC
GND	80	GND

COMPONENT NAME	BYPASS	01/01

CIRCUIT BOARD NO.	DRAWING NO.
VEP80A69A	KR****** (1/1) (0)
	SCM105


CCD_PULSE
CCD_GND 1
+17V 2
-11V 3
CCD_GND 4
+9V 5
GND 6
+5.6V 7
GND 8
CCD_HD 9
CCD_VD 10
GND 11
TEST_CNT 12
SHUT_A 13
SHUT_B 14
SHUT_C 15
GND 16
CC 17
EXT 18
1_50 19
MS 20
PLS_SIG(SPR) 21
GND 22
50_A 23
50_B 24
GND 25
+17V
+9V
-11V
+5.6V
CCD_PULSE(1:24)
PP-1
GND 1
CPOB1 2
CPOB2 3
BLK 4
ADCP 5
GAMMA_SW 6
GND 7
PP_SIG 8
GND 9
DS_R 10
WS_R 11
AWB_R 12
PED_R 13
LIMIT_R 14
30DB_SW 15
TEST_R 16
TEST_G 17
TEST_B 18
TEST_GND 19
G_STEP1 20
G_STEP2 21
G_STEP3 22
G_STEP4 23
-3DB_SW 24
DS_G 25
WS_G 26
PED_G 27
LIMIT_G 28
DS_B 29
WS_B 30
AWB_B 31
PED_B 32
LIMIT_B 33
OFFSET_OB 34
+9V 35
GND 36
+5.6V 37
GND 38
+3.5V 39
GND 40
-5.6V 41
GND 42
-3.5V 43
GND 44
GND 45
+9V
+5.6V
+3.5V
-5.6V
-3.5V
PP-1(2:34)
FRONT
GND 1
CC_FILTER 2
AWB_SW 3
ABB_SW 4
SHUT_SW_1 5
SHUT_SW_2 6
GND 7
FRONT_VR 8
START_SW 9
GND 10
VR_GND 11
HP_OUT_L 12
SP_H 13
HP_GND 14
HP_OUT_R 15
FRONT(2:15)
P1
VJS3806E100
B NO A
GND 1 GND
50_A 2 50_B
MS 3 PLS_SIG(SPR)
EXT 4 1_50
SHUT_C 5 CC
SHUT_B 6 TEST_CNT
SHUT_A 7 GND
CCD_VD 8 CCD_VD
CCD_HD 9 CCD_HD
GND 10 GND
+5.6V 11 +5.6V
GND 12 GND
+9V 13 +9V
CCD_GND 14 CCD_GND
-11V 15 -11V
+17V 16 +17V
CCD_GND 17 CCD_GND
CC_FILTER 18 GND
AWB_SW 19 ABB_SW
SHUT_SW_1 20 SHUT_SW_2
START_SW 21 FRONT_VR
HP_OUT_R 22 VR_GND
CPOB1 23 CPOB2
BLK 24 ADCP
HP_OUT_L 25 PP_SIG
GAMMA_SW 26 GND
DS_R 27 WS_R
AWB_R 28 PED_R
LIMIT_R 29 GND
TEST_R 30 30DB_SW
TEST_B 31 TEEST_G
G_STEP1 32 TEEST_GND
G_STEP3 33 G_STEP2
-3DB_SW 34 G_STEP4
GND 35 GND
DS_G 36 HP_GND
PED_G 37 WS_G
GND 38 LIMIT_G
WS_B 39 GND
PED_B 40 DS_B
OFFSET_OB 41 AWB_B
SP_H 42 LIMIT_B
GND 43 GND
+9V 44 +9V
GND 45 GND
+5.6V 46 +5.6V
GND 47 +3.5V
-5.6V 48 -5.6V
GND 49 -3.5V
GND 50 GND

COMPONENT NAME	CAMERA FLEX	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP00Z61A	KR****** (1/1) (0)	
	SCM106	



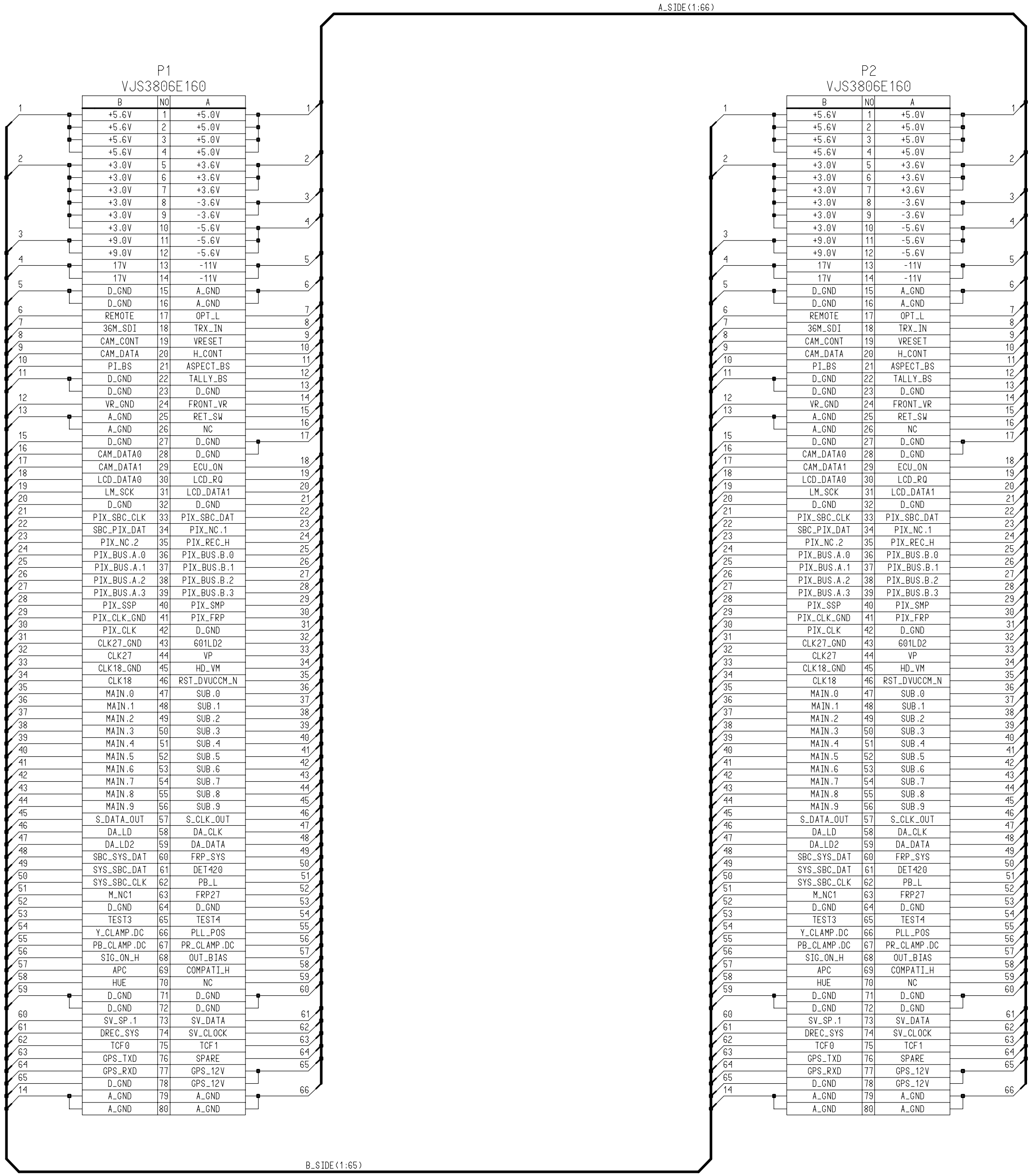
P1
VJS3806E160

A	NO	B
+9.0V	1	+3.6V
+9.0V	2	+3.6V
+5.6V	3	-5.6V
+5.6V	4	-5.6V
A_GND	5	A_GND
+5.0V	6	+3.0V
+3.0V	7	+3.0V
+3.0V	8	+3.0V
D_GND	9	D_GND
MCK_OUT	10	LRCK_OUT
BCK_OUT	11	AUD_PB
AUD_REC	12	DEM
DVCS_BUS.A.0	13	DVCS_BUS.B.0
DVCS_BUS.A.1	14	DVCS_BUS.B.1
DVCS_BUS.A.2	15	DVCS_BUS.B.2
DVCS_BUS.A.3	16	DVCS_BUS.B.3
DVCS_SSP	17	DVCS_SMP
DVCS_CLK	18	DVCS_FRP
D_GND	19	D_GND
A_GDN	20	A_GND
ENV_SIG.L	21	ENV_SIG.R
ATFI.L	22	ATFI.R
FE_ON_L	23	ATFEVR45
A_GND	24	A_GND
SBC_SRV_DAT	25	CAS_ID.0
SRV_SBC_DAT	26	CAS_ID.1
SRV_SBC_CLK	27	CAS_ID.2
HID_FE.L	28	HID_FE.R
HID_PB.L	29	HID_PB.R
HID_RP.L	30	HID_RP.R
CYL_PG	31	COMPATI_H
CYL_FG	32	CAP_FG
TSR	33	REFCK_GND
SPA	34	REFCK
TRP.0	35	D_GND
TRP.1	36	TAPE_REV_H
TRP.2	37	CAPSTP_H
DREC_S	38	PB_H
FRP_SRV	39	FPS.0
FEND	40	FPS.1
D_GND	41	D_GND
PIX_SBC_CLK	42	PIX_SBC_DAT
SBC_PIX_DAT	43	PIX_NC.1
PIX_NC.2	44	PIX_NC.3
PIX_BUS.A.0	45	PIX_BUS.B.0
PIX_BUS.A.1	46	PIX_BUS.B.1
PIX_BUS.A.2	47	PIX_BUS.B.2
PIX_BUS.A.3	48	PIX_BUS.B.3
PIX_SSP	49	PIX_SMP
PIX_CLK_GND	50	PIX_FRP
PIX_CLK	51	D_GND
CLK27_GND	52	LD2
CLK27	53	VP
CLK18_GND	54	HD
CLK18	55	RST_DVUCOM_N
MAIN.0	56	SUB.0
MAIN.1	57	SUB.1
MAIN.2	58	SUB.2
MAIN.3	59	SUB.3
MAIN.4	60	SUB.4
MAIN.5	61	SUB.5
MAIN.6	62	SUB.6
MAIN.7	63	SUB.7
MAIN.8	64	SUB.8
MAIN.9	65	SUB.9
S_DATA_OUT	66	S_CLK_OUT
DA_LD1	67	DA_CLK
DA_LD2	68	DA_DATA
SBC_SYS_DAT	69	FRP_SYS
SYS_SBC_DAT	70	DET420
SYS_SBC_CLK	71	PB_L
M_NC1	72	FRP27
D_GND	73	D_GND
A_GND	74	A_GND
TEST3	75	TEST4
Y_CLAMP.DC	76	PLL_POS
PB_CLAMP.DC	77	PR_CLAMP.DC
SIG_ON_H	78	OUT_BIAS
APC	79	VOUT_GND
HUE	80	VOUT

P2
VJP4106C160L

A	NO	B
+9.0V	1	+3.6V
+9.0V	2	+3.6V
+5.6V	3	-5.6V
+5.6V	4	-5.6V
A_GND	5	A_GND
+5.0V	6	+3.0V
+3.0V	7	+3.0V
+3.0V	8	+3.0V
D_GND	9	D_GND
MCK_OUT	10	LRCK_OUT
BCK_OUT	11	AUD_PB
AUD_REC	12	DEM
DVCS_BUS.A.0	13	DVCS_BUS.B.0
DVCS_BUS.A.1	14	DVCS_BUS.B.1
DVCS_BUS.A.2	15	DVCS_BUS.B.2
DVCS_BUS.A.3	16	DVCS_BUS.B.3
DVCS_SSP	17	DVCS_SMP
DVCS_CLK	18	DVCS_FRP
D_GND	19	D_GND
A_GDN	20	A_GND
ENV_SIG.L	21	ENV_SIG.R
ATFI.L	22	ATFI.R
FE_ON_L	23	ATFEVR45
A_GND	24	A_GND
SBC_SRV_DAT	25	CAS_ID.0
SRV_SBC_DAT	26	CAS_ID.1
SRV_SBC_CLK	27	CAS_ID.2
HID_FE.L	28	HID_FE.R
HID_PB.L	29	HID_PB.R
HID_RP.L	30	HID_RP.R
CYL_PG	31	COMPATI_H
CYL_FG	32	CAP_FG
TSR	33	REFCK_GND
SPA	34	REFCK
TRP.0	35	D_GND
TRP.1	36	TAPE_REV_H
TRP.2	37	CAPSTP_H
DREC_S	38	PB_H
FRP_SRV	39	FPS.0
FEND	40	FPS.1
D_GND	41	D_GND
PIX_SBC_CLK	42	PIX_SBC_DAT
SBC_PIX_DAT	43	PIX_NC.1
PIX_NC.2	44	PIX_NC.3
PIX_BUS.A.0	45	PIX_BUS.B.0
PIX_BUS.A.1	46	PIX_BUS.B.1
PIX_BUS.A.2	47	PIX_BUS.B.2
PIX_BUS.A.3	48	PIX_BUS.B.3
PIX_SSP	49	PIX_SMP
PIX_CLK_GND	50	PIX_FRP
PIX_CLK	51	D_GND
CLK27_GND	52	LD2
CLK27	53	VP
CLK18_GND	54	HD
CLK18	55	RST_DVUCOM_N
MAIN.0	56	SUB.0
MAIN.1	57	SUB.1
MAIN.2	58	SUB.2
MAIN.3	59	SUB.3
MAIN.4	60	SUB.4
MAIN.5	61	SUB.5
MAIN.6	62	SUB.6
MAIN.7	63	SUB.7
MAIN.8	64	SUB.8
MAIN.9	65	SUB.9
S_DATA_OUT	66	S_CLK_OUT
DA_LD1	67	DA_CLK
DA_LD2	68	DA_DATA
SBC_SYS_DAT	69	FRP_SYS
SYS_SBC_DAT	70	DET420
SYS_SBC_CLK	71	PB_L
M_NC1	72	FRP27
D_GND	73	D_GND
A_GND	74	A_GND
TEST3	75	TEST4
Y_CLAMP.DC	76	PLL_POS
PB_CLAMP.DC	77	PR_CLAMP.DC
SIG_ON_H	78	OUT_BIAS
APC	79	VOUT_GND
HUE	80	VOUT

COMPONENT NAME	**VIDEO FLEX**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80A67A	KR****** (1/1) (0)	
	SCM107	



P1 VJS3806E160

B	NO	A
+5.6V	1	+5.0V
+5.6V	2	+5.0V
+5.6V	3	+5.0V
+5.6V	4	+5.0V
+3.0V	5	+3.6V
+3.0V	6	+3.6V
+3.0V	7	+3.6V
+3.0V	8	-3.6V
+3.0V	9	-3.6V
+3.0V	10	-5.6V
+9.0V	11	-5.6V
+9.0V	12	-5.6V
17V	13	-11V
17V	14	-11V
D_GND	15	A_GND
D_GND	16	A_GND
REMOTE	17	OPT_L
36M_SDI	18	TRX_IN
CAM_CONT	19	VRESET
CAM_DATA	20	H_CONT
PI_BS	21	ASPECT_BS
D_GND	22	TALLY_BS
D_GND	23	D_GND
VR_GND	24	FRONT_VR
A_GND	25	RET_SW
A_GND	26	NC
D_GND	27	D_GND
CAM_DATA0	28	D_GND
CAM_DATA1	29	ECU_ON
LCD_DATA0	30	LCD_RQ
LM_SCK	31	LCD_DATA1
D_GND	32	D_GND
PIX_SBC_CLK	33	PIX_SBC_DAT
SBC_PIX_DAT	34	PIX_NC.1
PIX_NC.2	35	PIX_REC_H
PIX_BUS.A.0	36	PIX_BUS.B.0
PIX_BUS.A.1	37	PIX_BUS.B.1
PIX_BUS.A.2	38	PIX_BUS.B.2
PIX_BUS.A.3	39	PIX_BUS.B.3
PIX_SSP	40	PIX_SMP
PIX_CLK_GND	41	PIX_FRP
PIX_CLK	42	D_GND
CLK27_GND	43	601LD2
CLK27	44	VP
CLK18_GND	45	HD_VM
CLK18	46	RST_DVUCCM_N
MAIN.0	47	SUB.0
MAIN.1	48	SUB.1
MAIN.2	49	SUB.2
MAIN.3	50	SUB.3
MAIN.4	51	SUB.4
MAIN.5	52	SUB.5
MAIN.6	53	SUB.6
MAIN.7	54	SUB.7
MAIN.8	55	SUB.8
MAIN.9	56	SUB.9
S_DATA_OUT	57	S_CLK_OUT
DA_LD	58	DA_CLK
DA_LD2	59	DA_DATA
SBC_SYS_DAT	60	FRP_SYS
SYS_SBC_DAT	61	DET420
SYS_SBC_CLK	62	PB_L
M_NC1	63	FRP27
D_GND	64	D_GND
TEST3	65	TEST4
Y_CLAMP.DC	66	PLL_POS
PB_CLAMP.DC	67	PR_CLAMP.DC
SIG_ON_H	68	OUT_BIAS
APC	69	COMPATI_H
HUE	70	NC
D_GND	71	D_GND
D_GND	72	D_GND
SV_SP.1	73	SV_DATA
DREC_SYS	74	SV_CLOCK
TCF0	75	TCF1
GPS_TXD	76	SPARE
GPS_RXD	77	GPS_12V
D_GND	78	GPS_12V
A_GND	79	A_GND
A_GND	80	A_GND

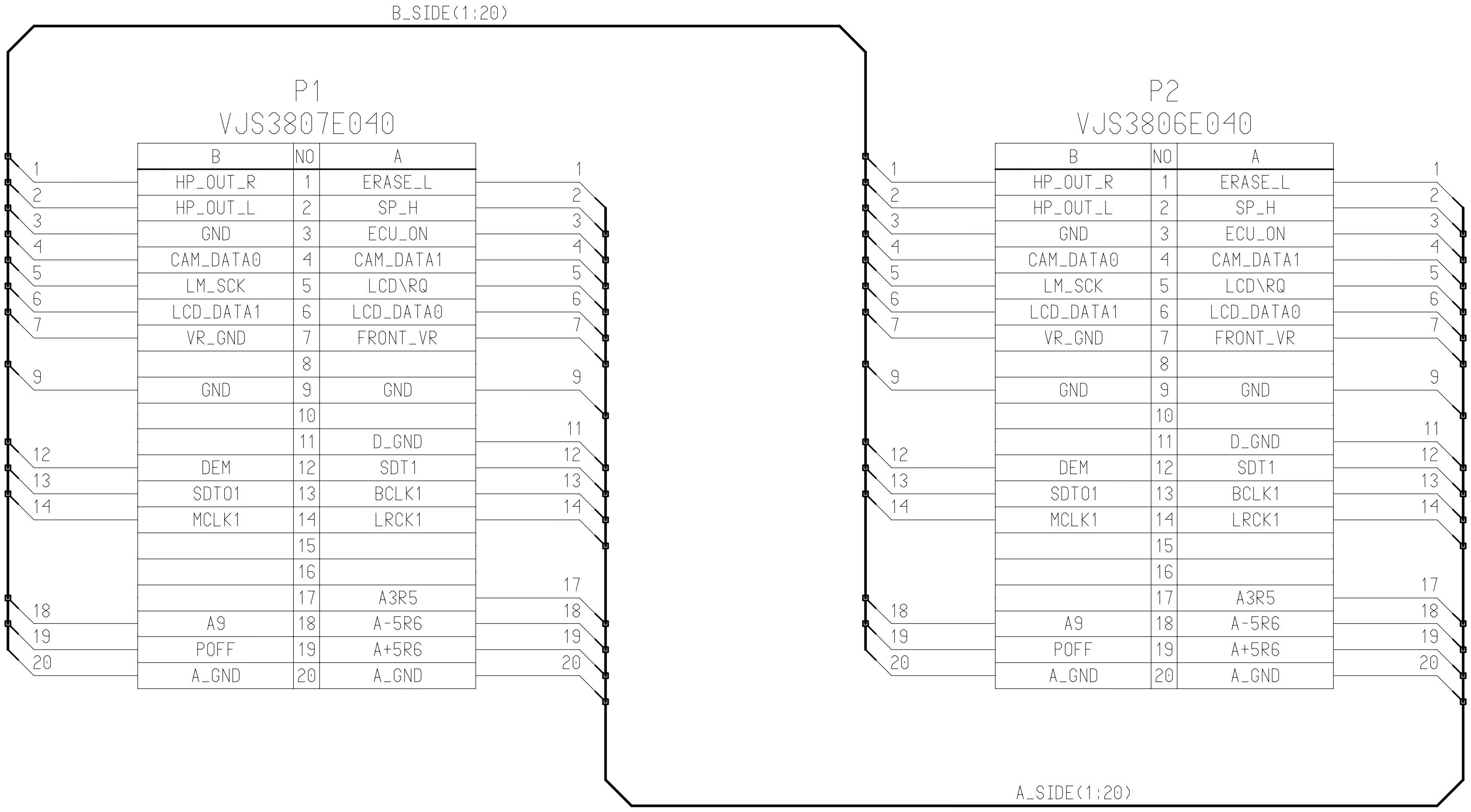
P2 VJS3806E160

B	NO	A
+5.6V	1	+5.0V
+5.6V	2	+5.0V
+5.6V	3	+5.0V
+5.6V	4	+5.0V
+3.0V	5	+3.6V
+3.0V	6	+3.6V
+3.0V	7	+3.6V
+3.0V	8	-3.6V
+3.0V	9	-3.6V
+3.0V	10	-5.6V
+9.0V	11	-5.6V
+9.0V	12	-5.6V
17V	13	-11V
17V	14	-11V
D_GND	15	A_GND
D_GND	16	A_GND
REMOTE	17	OPT_L
36M_SDI	18	TRX_IN
CAM_CONT	19	VRESET
CAM_DATA	20	H_CONT
PI_BS	21	ASPECT_BS
D_GND	22	TALLY_BS
D_GND	23	D_GND
VR_GND	24	FRONT_VR
A_GND	25	RET_SW
A_GND	26	NC
D_GND	27	D_GND
CAM_DATA0	28	D_GND
CAM_DATA1	29	ECU_ON
LCD_DATA0	30	LCD_RQ
LM_SCK	31	LCD_DATA1
D_GND	32	D_GND
PIX_SBC_CLK	33	PIX_SBC_DAT
SBC_PIX_DAT	34	PIX_NC.1
PIX_NC.2	35	PIX_REC_H
PIX_BUS.A.0	36	PIX_BUS.B.0
PIX_BUS.A.1	37	PIX_BUS.B.1
PIX_BUS.A.2	38	PIX_BUS.B.2
PIX_BUS.A.3	39	PIX_BUS.B.3
PIX_SSP	40	PIX_SMP
PIX_CLK_GND	41	PIX_FRP
PIX_CLK	42	D_GND
CLK27_GND	43	601LD2
CLK27	44	VP
CLK18_GND	45	HD_VM
CLK18	46	RST_DVUCCM_N
MAIN.0	47	SUB.0
MAIN.1	48	SUB.1
MAIN.2	49	SUB.2
MAIN.3	50	SUB.3
MAIN.4	51	SUB.4
MAIN.5	52	SUB.5
MAIN.6	53	SUB.6
MAIN.7	54	SUB.7
MAIN.8	55	SUB.8
MAIN.9	56	SUB.9
S_DATA_OUT	57	S_CLK_OUT
DA_LD	58	DA_CLK
DA_LD2	59	DA_DATA
SBC_SYS_DAT	60	FRP_SYS
SYS_SBC_DAT	61	DET420
SYS_SBC_CLK	62	PB_L
M_NC1	63	FRP27
D_GND	64	D_GND
TEST3	65	TEST4
Y_CLAMP.DC	66	PLL_POS
PB_CLAMP.DC	67	PR_CLAMP.DC
SIG_ON_H	68	OUT_BIAS
APC	69	COMPATI_H
HUE	70	NC
D_GND	71	D_GND
D_GND	72	D_GND
SV_SP.1	73	SV_DATA
DREC_SYS	74	SV_CLOCK
TCF0	75	TCF1
GPS_TXD	76	SPARE
GPS_RXD	77	GPS_12V
D_GND	78	GPS_12V
A_GND	79	A_GND
A_GND	80	A_GND

COMPONENT NAME	**MAIN FLEX**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP80A68A		KR****** (1/1) (0)
		SCM108

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



P1 VJS3807E040

B	NO	A
HP_OUT_R	1	ERASE_L
HP_OUT_L	2	SP_H
GND	3	ECU_ON
CAM_DATA0	4	CAM_DATA1
LM_SCK	5	LCD\RQ
LCD_DATA1	6	LCD_DATA0
VR_GND	7	FRONT_VR
	8	
GND	9	GND
	10	
	11	D_GND
DEM	12	SDT1
SDTO1	13	BCLK1
MCLK1	14	LRCK1
	15	
	16	
	17	A3R5
A9	18	A-5R6
POFF	19	A+5R6
A_GND	20	A_GND

P2 VJS3806E040

B	NO	A
HP_OUT_R	1	ERASE_L
HP_OUT_L	2	SP_H
GND	3	ECU_ON
CAM_DATA0	4	CAM_DATA1
LM_SCK	5	LCD\RQ
LCD_DATA1	6	LCD_DATA0
VR_GND	7	FRONT_VR
	8	
GND	9	GND
	10	
	11	D_GND
DEM	12	SDT1
SDTO1	13	BCLK1
MCLK1	14	LRCK1
	15	
	16	
	17	A3R5
A9	18	A-5R6
POFF	19	A+5R6
A_GND	20	A_GND

COMPONENT NAME	REAR FLEX	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80A66A	KR****** (1/1) (0)	
	SCM109	

SECTION 6

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 7

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

INT CONNECT P.C.BOARD (VEP80A65B) CBA-1
MOTHER P.C.BOARD (VEP00Z41G[NTSC]) (VEP00Z41H[PAL]) CBA-2
CCD PULSE P.C.BOARD (VEP20768H[NTSC]) (VEP20768F[PAL]) CBA-4
CCD P.C.BOARD (VEP20775A[NTSC]) (VEP20775B[PAL]) CBA-5
PRE PROCESS P.C.BOARD (VEP23486L[NTSC]) (VEP23486G[PAL]) CBA-6
DSP MAIN P.C.BOARD (VEP23487G[NTSC]) (VEP23487H[PAL]) CBA-7
CAMERA ENC P.C.BOARD (VEP23484C[NTSC]) (VEP23484B[PAL]) CBA-8
CAMERA SYSCON P.C.BOARD (VEP26240G[NTSC]) (VEP26240E[PAL]) CBA-9
CAMERA SYNC P.C.BOARD (VEP23480G[NTSC]) (VEP23480F[PAL]) CBA-10
VIDEO MAIN P.C.BOARD (VEP83377G[NTSC]) (VEP83377F[PAL]) CBA-11
VIDEO I/F P.C.BOARD (VEP03E84E[NTSC]) (VEP03E84D[PAL]) CBA-12

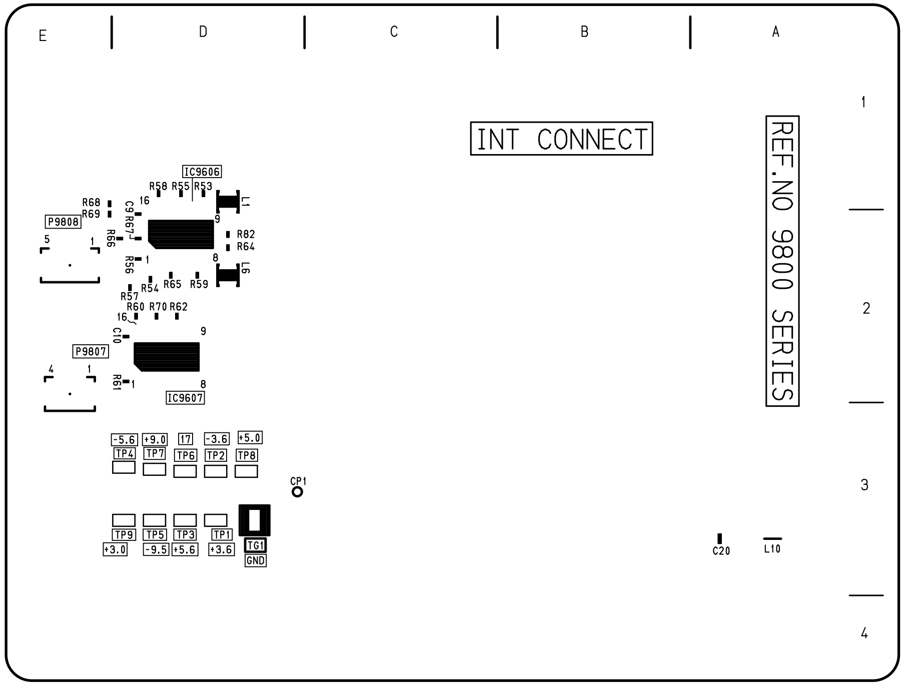
VIDEO I/F SUB P.C.BOARD (VEP03E85E[NTSC]) (VEP03E85D[PAL]) CBA-13
RF P.C.BOARD (VEP03E42A) CBA-14
VTR SYSCON P.C.BOARD (VEP06C45M[NTSC]) (VEP06C45K[PAL]) CBA-15
SERVO P.C.BOARD (VEP82219C) CBA-16
AUDIO LCD P.C.BOARD (VEP04727B) CBA-18
POWER P.C.BOARD (VEP81180E[NTSC]) (VEP81180F[PAL]) CBA-20
BYPASS P.C.BOARD (VEP80A69A) CBA-21
CDS P.C.BOARD (VEP25016V[NTSC]) (VEP25016U[PAL]) CBA-22
REAR JACK P.C.BOARD (VEP01850B[NTSC]) (VEP01850C[PAL]) CBA-23
OPERATE P.C.BOARD (VEP86149A) CBA-24

INT CONNECT P.C.BOARD (VEP80A65B)

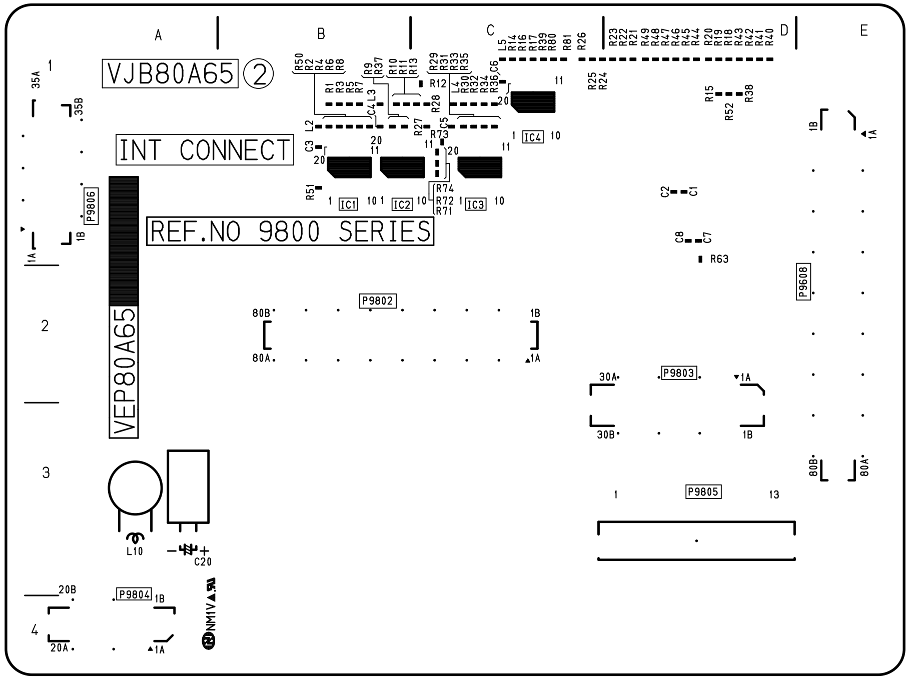
CBA-1

REF	LOC
IC9606	D1
IC9607	D2
P9807	E2
P9808	E2
TG9801	D3
TP9801	D3
TP9802	D3
TP9803	D3
TP9804	D3
TP9805	D3
TP9806	D3
TP9807	D3
TP9808	D3
TP9809	D3

REF	LOC
IC9801	B1
IC9802	B1
IC9803	C1
IC9804	C1
P9608	E2
P9802	B2
P9803	D3
P9804	A4
P9805	D3
P9806	A1


E
D
C
B
A
1
2
3
4
INT CONNECT
REF.NO 9800 SERIES
IC9606
IC9607
P9808
P9807
L1
L6
C9
C10
R53
R54
R55
R56
R57
R58
R59
R60
R61
R62
R64
R65
R66
R67
R68
R69
R70
R82
-5.6
+9.0
17
-3.6
+5.0
TP4
TP7
TP6
TP2
TP8
TP9
TP5
TP3
TP1
+3.0
-9.5
+5.6
+3.6
TG1
GND
CP1
C20
L10

(FOIL SIDE)

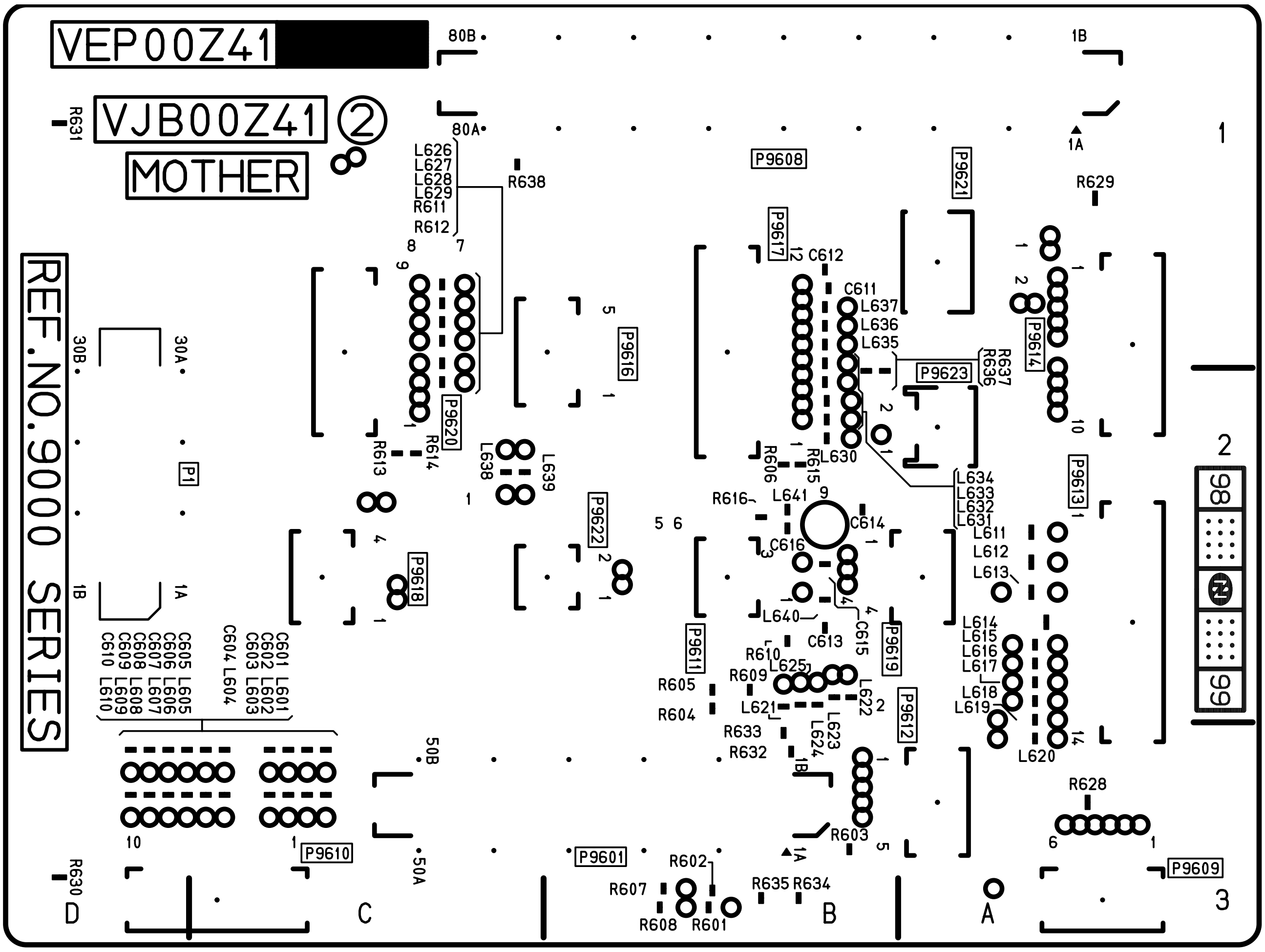

A
B
C
D
E
1
2
3
4
VJB80A65 ②
INT CONNECT
REF.NO 9800 SERIES
VEP80A65
IC1
IC2
IC3
IC4
P9802
P9803
P9804
P9805
P9806
P9608
35A
35B
1A
1B
80A
80B
30A
30B
20A
20B
L10
C20
R63
R15
R52
R38
C1
C2
C7
C8

(COMPONENT SIDE)

MOTHER P.C.BOARD (VEP00Z41G[NTSC])(VEP00Z41H[PAL])

FOIL SIDE

REF	LOC	REF	LOC
P1	C1	P9616	B1
P9601	D2	P9617	B1
P9606	C2	P9618	A1
P9608	C3	P9619	A1
P9610	B3	P9620	A1
P9611	B2	P9621	A1
P9612	B2	P9622	A3
P9613	B2	P9623	A3
P9614	B1		


VEP00Z41
VJB00Z41 ②
MOTHER
REF.NO.9000 SERIES
80B
80A
1B
1A
30B
30A
50B
50A
P1
P9601
P9608
P9609
P9610
P9611
P9612
P9613
P9614
P9616
P9617
P9618
P9619
P9620
P9621
P9622
P9623
L626
L627
L628
L629
R611
R612
R638
R629
R613
R614
L638
L639
C612
C611
L637
L636
L635
R637
R636
R606
R615
L630
L634
L633
L632
L631
L611
L612
L613
R616
L641
C614
C616
L640
C613
C615
R610
L625
R609
R605
R604
L621
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L623
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R633
R632
R603
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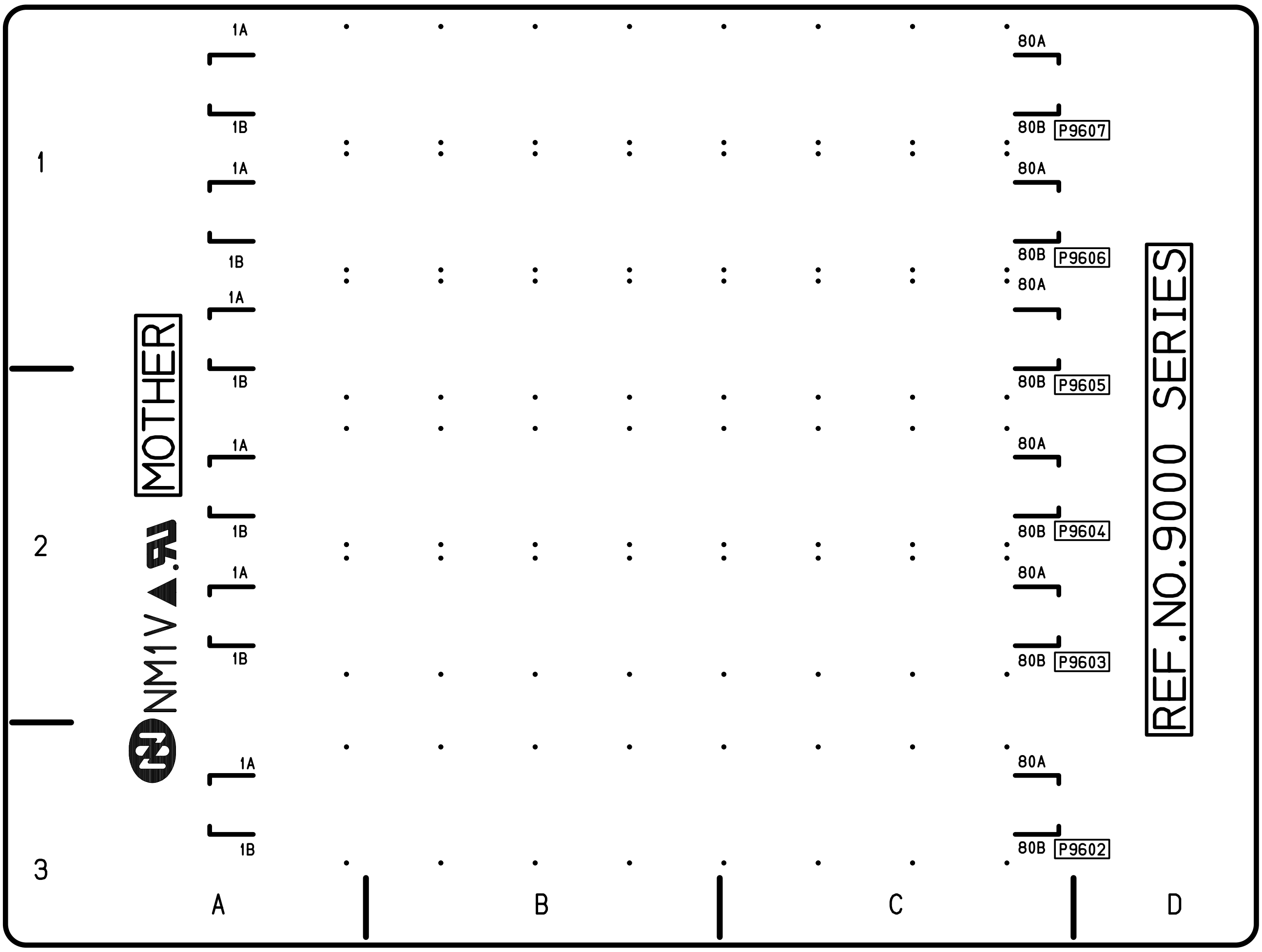
L616
L617
L618
L619
L620
R628
R602
R607
R608
R601
R635
R634
R630
R631
C601 L601
C602 L602
C603 L603
C604 L604
C605 L605
C606 L606
C607 L607
C608 L608
C609 L609
C610 L610
D
C
B
A
1
2
3

(FOIL SIDE)

MOTHER P.C.BOARD (VEP00Z41G[NTSC])(VEP00Z41H[PAL])

COMPONENT SIDE

REF	LOC
P9602	C3
P9603	C2
P9604	C2
P9605	C2
P9606	C1
P9607	C1


1A
80A
1B
80B
P9607
P9606
P9605
P9604
P9603
P9602
1
2
3
A
B
C
D
MOTHER
NM1V
REF.NO.9000 SERIES

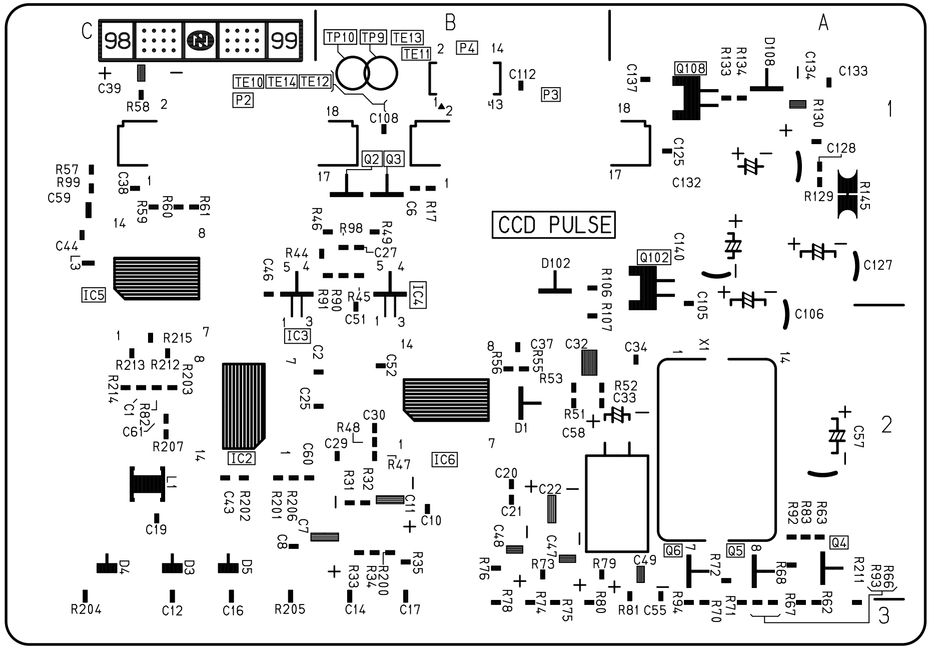
(COMPONENT SIDE)

CCD PULSE P.C.BOARD (VEP20768H[NTSC])(VEP20768F[PAL])

CBA-4

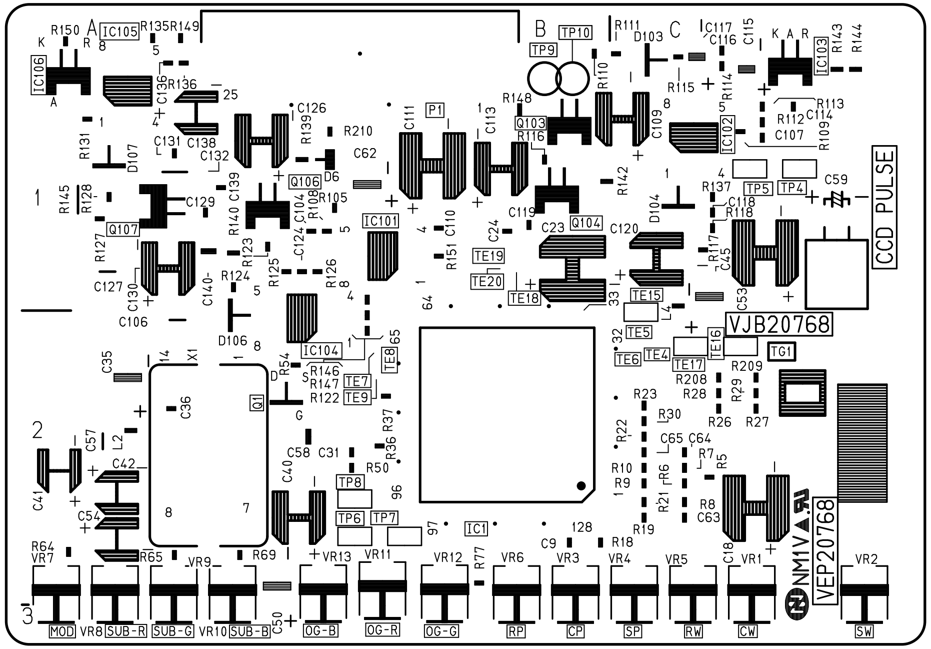
REF	LOC
IC2	B1
IC3	B1
IC4	C1
IC5	C1
IC103	C2
P2	C1
P3	B1
P4	B1
Q2	B2
Q3	C2
Q4	A2
Q5	A2
Q6	A2
Q101	A1
Q102	A1
Q103	C1
Q104	C2
Q105	C2
Q106	C2
Q108	A1

REF	LOC	REF	LOC
IC1	B2	VR3	B2
IC6	C1	VR4	C2
IC10	B1	VR5	C2
IC101	A1	VR6	B2
IC102	C1	VR7	A2
IC104	C2	VR8	A2
IC105	A1	VR9	A2
IC106	A1	VR10	A2
P1	B1	VR11	B2
P5	C1	VR12	B2
Q1	A2	VR13	B2
Q107	B1		
TG1	A2		
TP1	B2		
TP2	B2		
TP3	B2		
TP4	C1		
TP5	C1		
VR1	C2		
VR2	C2		



C
B
A
1
2
3
CCD PULSE
IC2
IC3
IC4
IC5
IC6
Q2
Q3
Q4
Q5
Q6
Q102
Q108
P2
P3
P4
TP9
TP10
TE10
TE11
TE12
TE13
TE14
X1
D1
D102
D108
L1
L3

(FOIL SIDE)



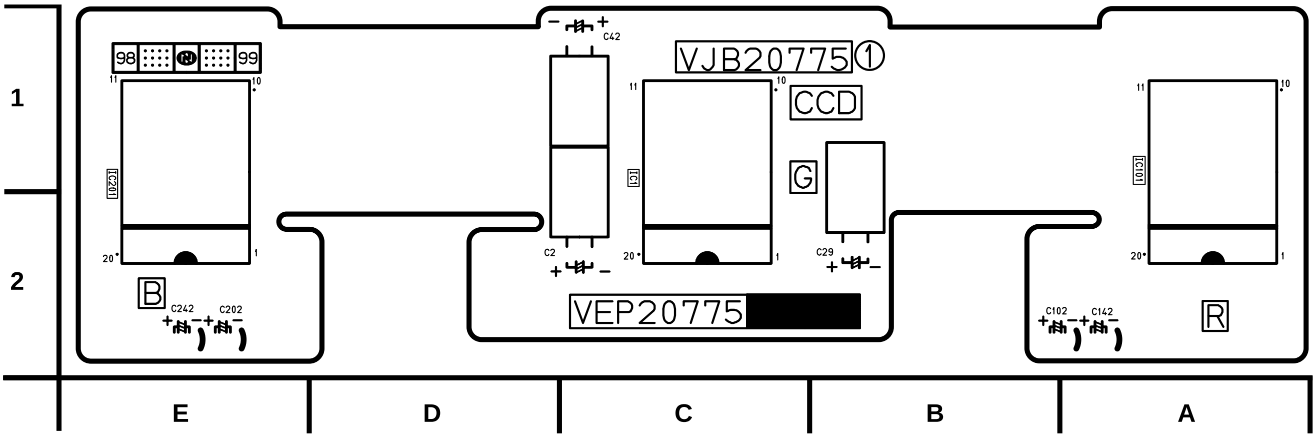
A
B
C
1
2
3
CCD PULSE
VJB20768
VEP20768
NM1V
IC1
IC101
IC102
IC103
IC104
IC105
IC106
Q1
Q103
Q104
Q106
Q107
P1
TG1
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
X1
MOD
SUB-R
SUB-G
SUB-B
OG-B
OG-R
OG-G
RP
CP
SP
RW
CW
SW
VR1
VR2
VR3
VR4
VR5
VR6
VR7
VR8
VR9
VR10
VR11
VR12
VR13

(COMPONENT SIDE)

CCD P.C.BOARD (VEP20775A[NTSC])(VEP20775B[PAL])

FOIL SIDE

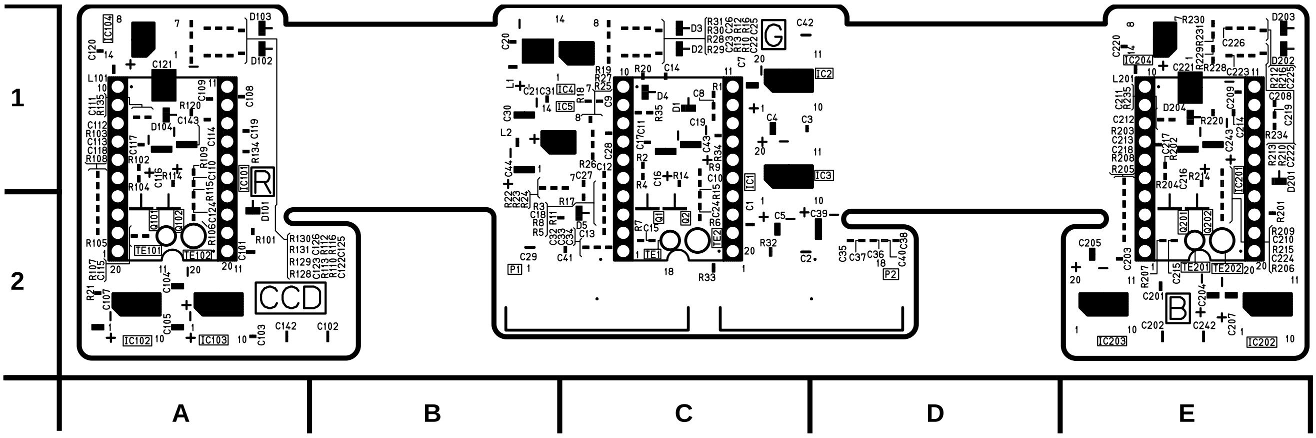
REF	LOC
IC1	E1
IC101	C1
IC201	A1


1
2
E
D
C
B
A
98
99
VJB20775①
CCD
G
B
R
VEP20775
IC1
IC101
IC201
C2
C29
C42
C102
C142
C202
C242

(FOILSIDE)

COMPONENT SIDE

REF	LOC	REF	LOC
IC1	A1	IC203	B2
IC2	A2	IC204	C2
IC3	C2	P1	C1
IC4	C1	P2	D2
IC5	C1	Q1	E2
IC101	A1	Q2	E2
IC102	A2	Q101	E2
IC103	A2	Q102	E2
IC104	A2	Q201	E1
IC201	C1	Q202	E1
IC202	C1		


1
2
A
B
C
D
E
R
CCD
G
B
IC1
IC2
IC3
IC4
IC5
IC101
IC102
IC103
IC104
IC201
IC202
IC203
IC204
TE1
TE2
TE101
TE102
TE201
TE202
P1
P2
Q1
Q2
Q101
Q102
Q201
Q202

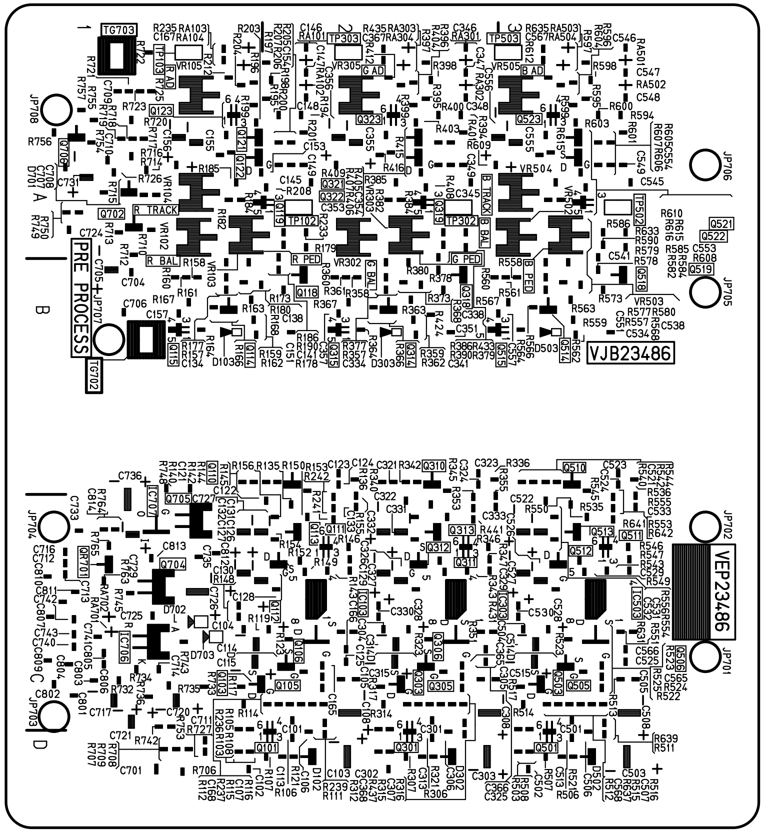
(COMPONENT SIDE)

PRE PROCESS P.C.BOARD (VEP23486L[NTSC])(VEP23486G[PAL])

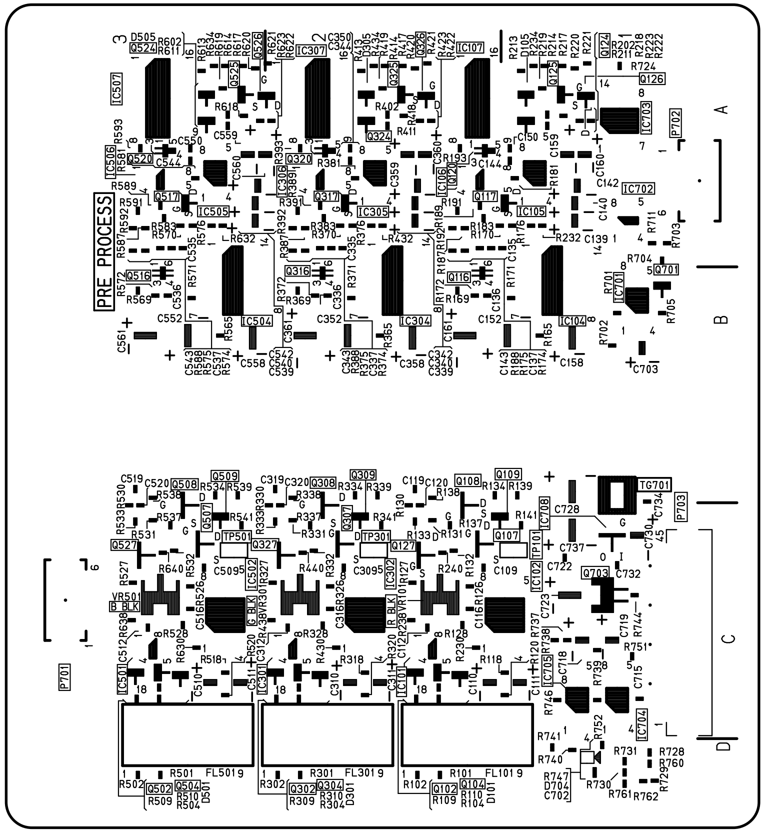
CBA-6

REF	LOC	REF	LOC	REF	LOC	REF	LOC
Lc103	C2	Q301	C2	Q511	C3	TP303	A2
IC303	C2	Q303	C2	Q512	C3	TP502	A3
IC503	C3	Q305	C2	Q513	C3	TP503	A3
IC706	C1	Q306	C2	Q514	B3	VR102	A1
IC707	C1	Q310	B2	Q515	B2	VR103	A1
Q101	C1	Q311	C2	Q518	A3	VR104	A1
Q103	C1	Q312	C2	Q519	A3	VR105	A1
Q105	C2	Q313	C2	Q521	A3	VR302	A2
Q106	C2	Q314	B2	Q522	A3	VR303	A2
Q110	B2	Q315	B2	Q523	A3	VR305	A2
Q111	C2	Q318	A2	Q702	A1	VR502	A3
Q112	C2	Q319	A2	Q704	C1	VR503	A3
Q113	C2	Q321	A2	Q705	C1	VR504	A3
Q114	B1	Q322	A2	Q706	A1	VR505	A3
Q115	B1	Q323	A2	QR701	C1		
Q118	A2	Q501	C3	TG702	B1		
Q119	A1	Q503	C3	TG703	A1		
Q121	A1	Q505	C3	TP102	A2		
Q122	A1	Q506	C3	TP103	A1		
Q123	A1	Q510	B3	TP302	A2		

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC101	C2	IC703	A1	Q304	C2	Q525	A3
IC102	C1	IC704	C1	Q307	C2	Q526	A2
IC104	B1	IC705	C1	Q308	C2	Q527	C3
IC105	A1	IC708	C1	Q309	C2	Q701	B1
IC106	A2	P701	C3	Q316	B2	Q703	C1
IC107	A2	P702	A1	Q317	A2	TG701	C1
IC301	C2	P703	C1	Q320	A2	TP101	C1
IC302	C2	Q102	C2	Q324	A2	TP301	C2
IC304	B2	Q104	C2	Q325	A2	TP501	C3
IC305	A2	Q107	C2	Q326	A2	VR101	C2
IC306	A2	Q108	C2	Q327	C2	VR301	C2
IC307	A2	Q109	C1	Q502	C3	VR501	C3
IC501	C3	Q116	B2	Q504	C3		
IC502	C3	Q117	A1	Q507	C3		
IC504	B3	Q120	A2	Q508	C3		
IC505	A3	Q124	A1	Q509	C3		
IC506	A3	Q125	A1	Q516	B3		
IC507	A3	Q126	A1	Q517	A3		
IC701	B1	Q127	C2	Q520	A3		
IC702	A1	Q302	C2	Q524	A3		


PRE PROCESS
VJB23486
VEP23486
TG703
TG702
JP701
JP702
JP703
JP704
JP705
JP706
JP707
JP708
A
B
C
D

(FOIL SIDE)


PRE PROCESS
TG701
P701
P702
P703
FL501
FL301
FL101
A
B
C
D

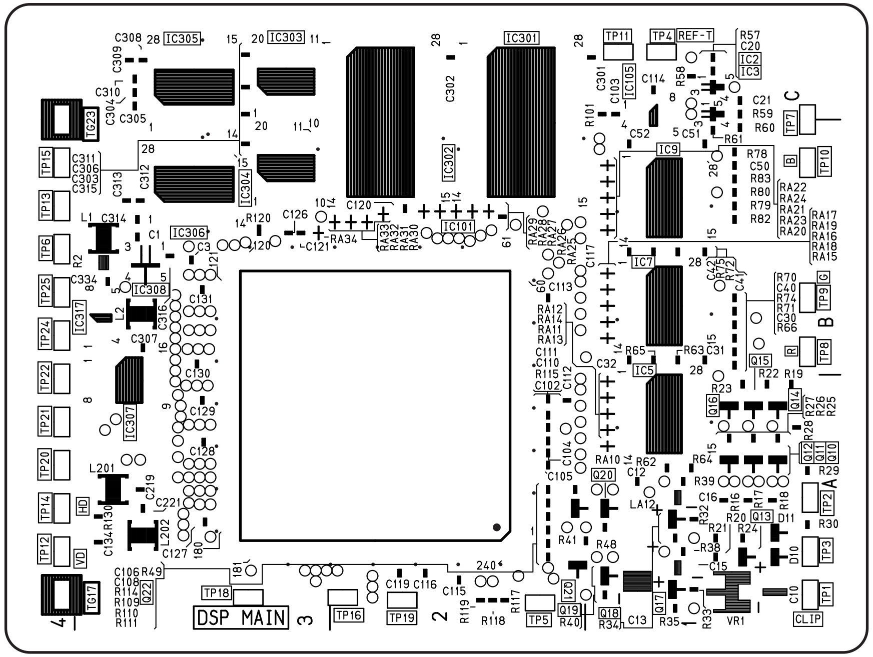
(COMPONENT SIDE)

DSP MAIN P.C.BOARD (VEP23487G[NTSC])(VEP23487H[PAL])

REF	LOC	REF	LOC
IC2	C1	TP4	C1
IC3	B1	TP6	B3
IC5	A1	TP7	B1
IC7	B1	TP8	B1
IC9	B1	TP9	B1
IC101	A2	TP10	B1
IC105	B1	TP11	C1
IC301	B2	TP13	B3
IC302	B2	TP15	B3
IC303	C3	TP21	A3
IC304	B3	TP22	A3
IC305	C3	TP24	B3
IC306	B3	TP25	B3
IC307	A3		
IC308	B3		
IC317	B3		
Q14	A1		
Q15	A1		
Q16	A1		
TG23	B3		

REF	LOC	REF	LOC
IC1	A1	P1	B3
IC4	B1	P3	A1
IC6	B1	Q23	A1
IC10	A1	Q201	A3
IC102	A1	Q202	A3
IC103	B1	Q203	A3
IC104	B1	Q204	B3
IC106	A3	Q205	B3
IC107	A2		
IC108	A2		
IC109	A2		
IC201	A2		
IC202	B2		
IC203	A2		
IC204	B2		
IC205	B2		
IC206	A3		
IC207	B2		
IC208	B3		
IC316	B3		

CBA-7



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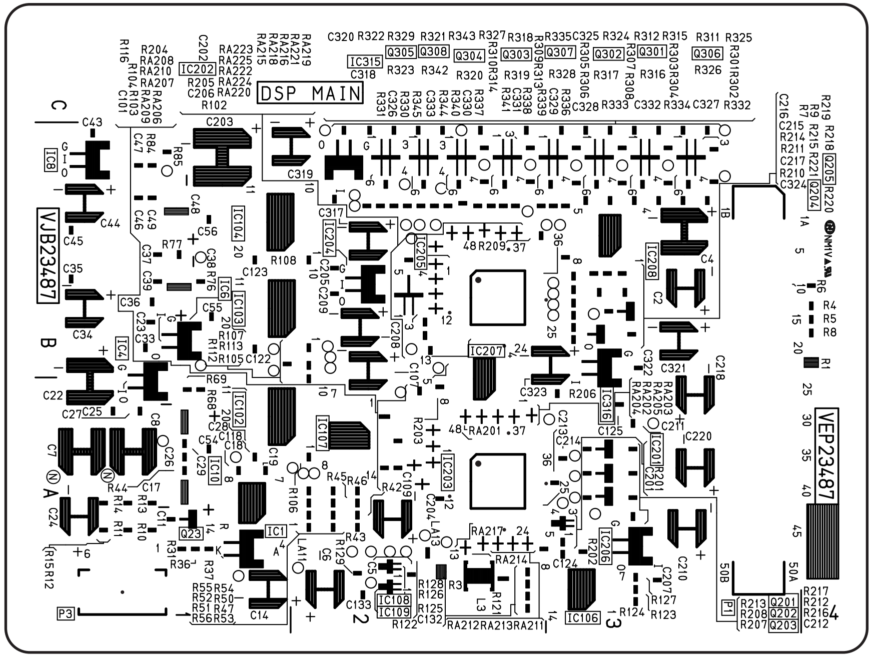


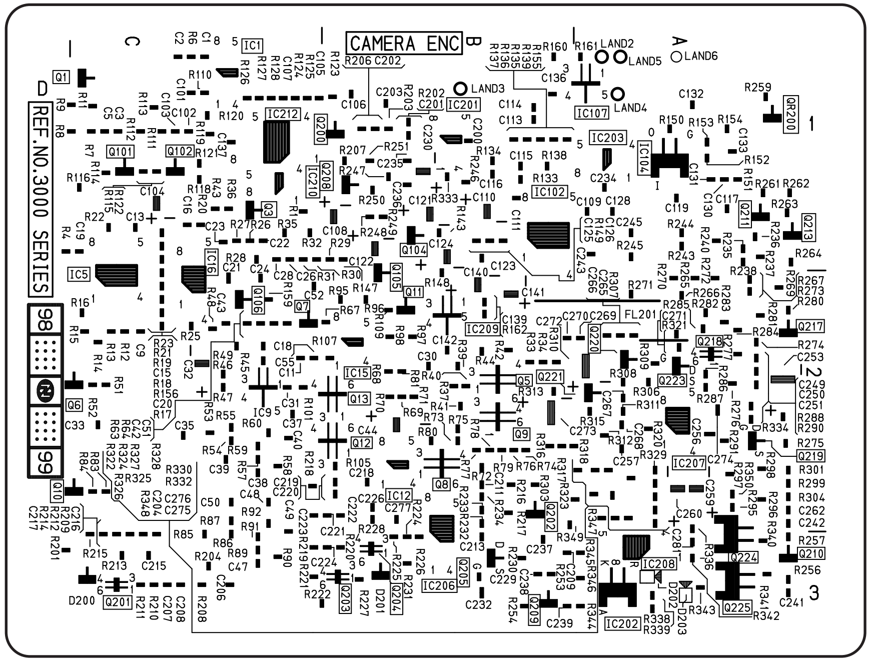
(COMPONENT SIDE)

CAMERA ENC P.C.BOARD (VEP23484A[AJ-D610WB])(VEP23484C[AJ-D610WBP])
(VEP23484B[AJ-D610WBE/MC])

REF	LOC	REF	LOC	REF	LOC
IC1	C1	Q5	B2	Q208	B1
IC5	C1	Q6	C2	Q209	B3
IC9	C2	Q7	B2	Q211	A1
IC12	B2	Q8	B2	Q218	A2
IC15	B2	Q9	B2	Q219	A2
IC16	C1	Q10	C2	Q220	A2
IC102	B1	Q11	B2	Q221	A2
IC104	A1	Q12	B2	Q223	A2
IC107	A1	Q13	B2	Q224	A2
IC201	B1	Q101	C1	Q225	A3
IC202	A3	Q102	C1	QR200	A1
IC203	A1	Q104	B1		
IC206	B2	Q105	B1		
IC207	A2	Q205	C2		
IC208	A3	Q200	B1		
IC209	B2	Q201	C3		
IC210	C1	Q202	B2		
IC212	C1	Q203	B3		
Q1	C1	Q204	B3		
Q3	C1	Q205	B3		

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4	C1	Q212	A1	TP201	C3	VR205	A2
IC6	C1	Q214	A1	TP202	B2	VR206	B3
IC7	C1	Q215	A1	TP203	B1	VR207	A2
IC8	B2	Q216	A2	TP204	A2	VR208	A2
IC10	C2	Q222	B2	TP205	B2	VR209	B3
IC11	C2	SW1	B2	VC200	B3	VR210	B2
IC13	C2	SW200	C2	VR1	D1		
IC14	C2	SW201	A1	VR2	D2		
IC101	C1	TG3	B2	VR3	C2		
IC103	B1	TG206	A2	VR4	C2		
IC105	B1	TP1	D1	VRIOI	C1		
IC106	A1	TP2	B2	VRIO2	C1		
IC204	A2	TP4	D2	VRIO3	B1		
IC205	A2	TP5	B2	VRIO4	B1		
P1	B1	TP6	D2	VRIO5	B1		
Q2	C1	TP7	C2	VR200	B1		
Q4	B2	TP101	D1	VR201	C3		
Q103	C1	TP102	B1	VR202	B3		
Q206	A1	TP103	B1	VR203	C1		
Q207	A1	TP200	D3	VR204	A2		

CBA-8



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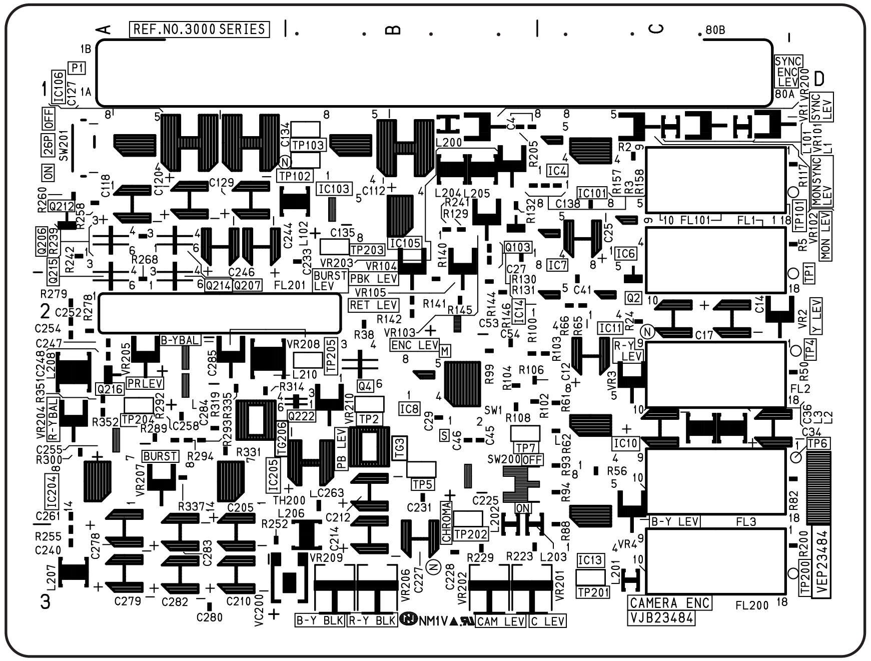
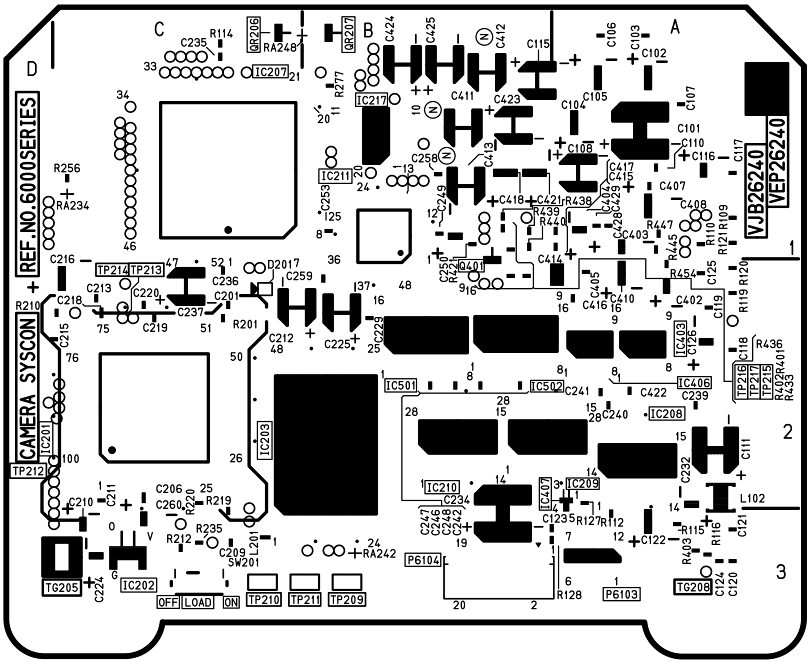


(COMPONENT SIDE)

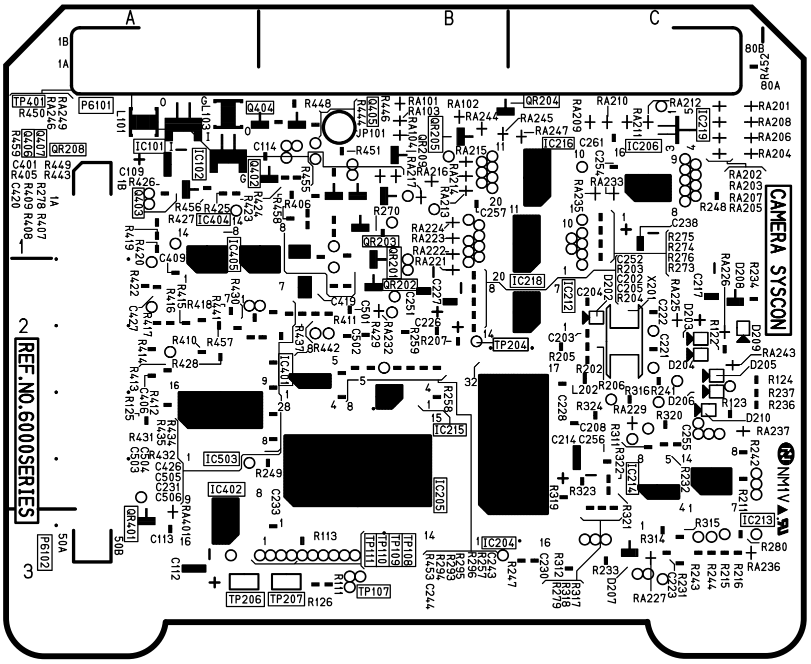
CAMERA SYSCON P.C.BOARD (VEP26240F[AJ-D610WB])(VEP26240G[AJ-D610WBP]) (VEP26240E[AJ-D610WBE/MC])

FOIL SIDE

REF	LOC	REF	LOC
IC201	C1	TP209	A2
IC202	C1	TP210	A2
IC203	C2	TP211	A2
IC207	C2	TP212	A2
IC208	C2	TP213	A2
IC209	C2	TP214	A2
IC210	C3	TP215	A2
IC211	C3	TP216	A3
IC217	C3	TP217	A3
IC403	B3		
IC406	B3		
IC407	B3		
IC501	B2		
IC502	B2		
P6103	B2		
P6104	B2		
Q401	B2		
QR206	B2		
QR207	B1		
TG205	B1		
TG208	B1		


A
B
C
D
1
2
3
REF.NO.6000SERIES
CAMERA SYSCON
VJB26240
VEP26240
IC201
IC202
IC203
IC207
IC208
IC209
IC210
IC211
IC217
IC403
IC406
IC407
IC501
IC502
P6103
P6104
Q401
QR206
QR207
TG205
TG208
TP209
TP210
TP211
TP212
TP213
TP214
TP215
TP216
TP217
OFF
LOAD
ON
SW201
L101
L102
L201

(FOIL SIDE)


A
B
C
1
2
3
REF.NO.6000SERIES
CAMERA SYSCON
NM1V
IC101
IC102
IC204
IC205
IC206
IC212
IC213
IC214
IC215
IC216
IC218
IC219
IC401
IC402
IC404
IC405
IC503
P6101
P6102
Q402
Q403
Q404
Q405
Q406
Q407
QR201
QR202
QR203
QR204
QR205
QR208
TP107
TP108
TP109
TP110
TP111
TP204
TP206
TP207
TP401
JP101
X201

(COMPONENT SIDE)

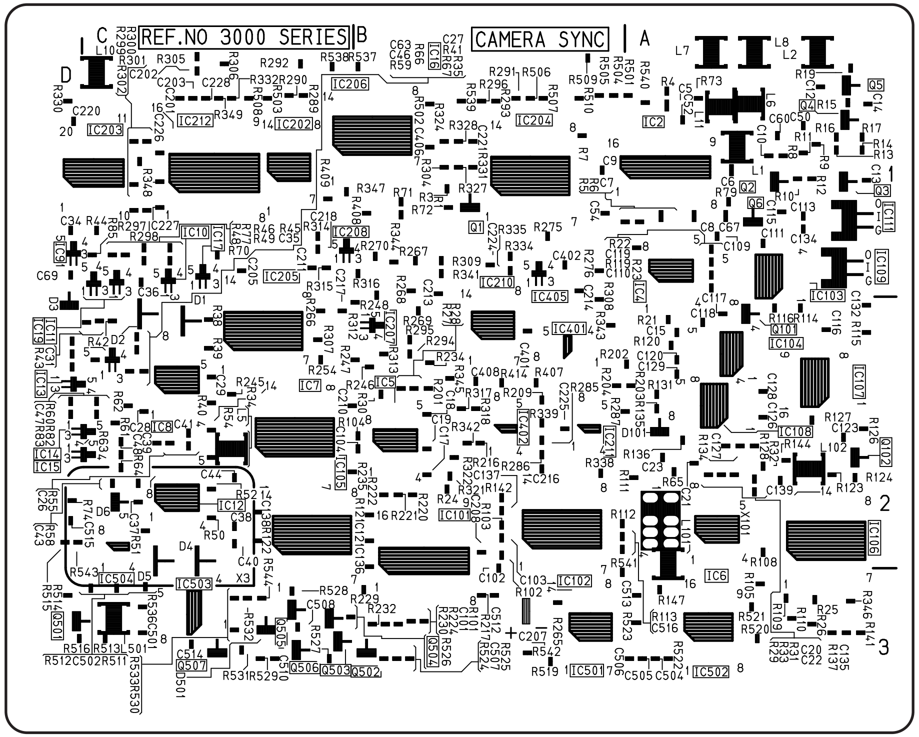
COMPONENT SIDE

REF	LOC	REF	LOC
GR209	A1	Q402	B3
GR401	A1	Q403	B3
IC101	A1	Q404	B3
IC102	A1	Q405	B3
IC204	A1	Q406	B3
IC205	A1	Q407	B3
IC206	A1	QR201	B2
IC212	A1	QR202	B2
IC213	A1	QR203	B2
IC214	A1	QR204	B2
IC215	A1	QR205	B2
IC216	B1	QR208	B2
IC218	B1	TP107	C1
IC219	B1	TP108	C1
IC401	B1	TP109	C1
IC402	B1	TP110	C1
IC404	A2	TP111	C2
IC405	A2	TP204	C2
IC503	A3	TP206	C2
P6101	A3	TP207	C2
P6102	A3	TP401	C3

CAMERA SYNC P.C.BOARD (VEP23480G[NTSC])(VEP23480F[PAL])

REF	LOC	REF	LOC	REF	LOC
IC3002	A1	IC3105	C2	IC3502	A3
IC3004	A1	IC3106	A2	IC3503	C3
IC3005	B2	IC3107	A2	IC3504	C2
IC3006	A2	IC3108	A2	Q3001	B1
IC3007	C2	IC3109	A1	Q3002	A1
IC3008	C2	IC3111	A1	Q3003	A1
IC3009	C1	IC3202	C1	Q3004	A1
IC3010	C1	IC3203	C1	Q3005	A1
IC3011	C1	IC3204	B1	Q3006	A1
IC3012	C2	IC3205	C2	Q3101	A2
IC3013	C2	IC3206	B1	Q3102	A2
IC3014	C2	IC3207	B2	Q3501	C3
IC3015	C2	IC3208	B1	Q3502	B3
IC3016	C2	IC3210	B2	Q3503	B3
IC3017	C1	IC3211	B2	Q3504	C3
IC3019	C1	IC3212	C1	Q3505	C3
IC3101	B2	IC3401	B2	Q3506	C3
IC3102	B2	IC3402	B2	Q3507	C3
IC3103	A1	IC3405	B1		
IC3104	A2	IC3501	B3		

REF	LOC	REF	LOC
IC3001	A1	TP3203	B1
IC3003	B1	TP3204	B1
IC3018	A1	TP3205	C3
IC3110	A3	TP3206	B3
IC3201	B2	TP3207	B1
IC3209	B2	TP3501	C3
IC3213	C1	VR3001	A1
IC3403	C1	VR3002	C1
IC3404	B1	VR3003	C2
P3501	B1	VR3101	B2
Q3508	C3	VR3102	A2
TG3101	A3	VR3103	A2
TG3501	C3	VR3104	A2
TP3001	B1	VR3501	A3
TP3002	B1	VR3502	B3
TP3003	A3	VR3503	B3
TP3004	C1	VR3504	C3
TP3005	C2	VR3505	C3
TP3101	A2	VR3506	C3
TP3201	C1	VR3507	C3
TP3202	B1	VR3508	B3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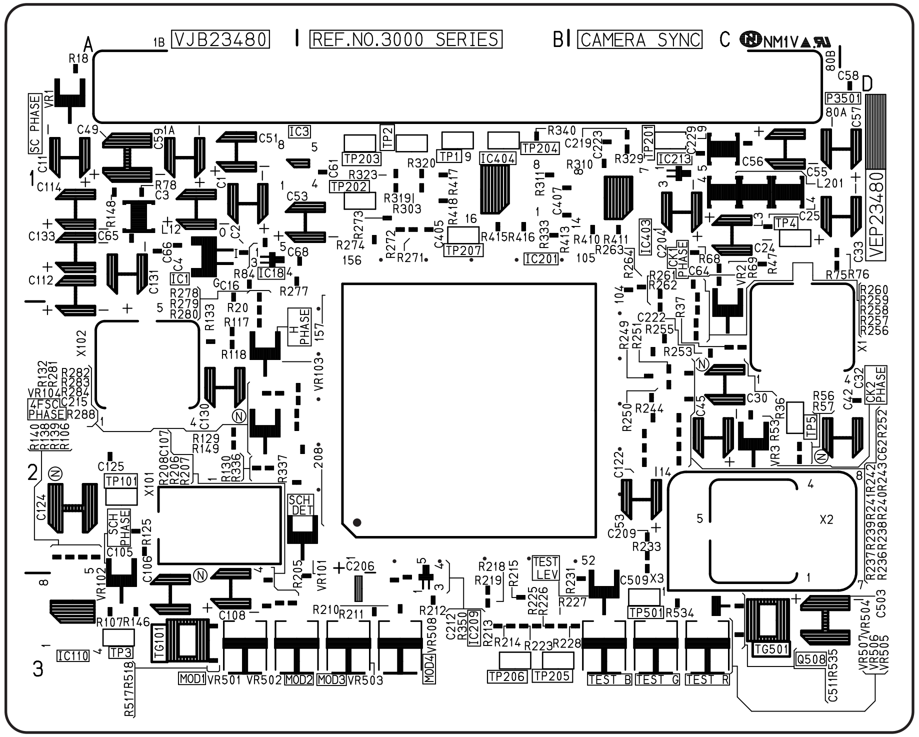
REF.NO 3000 SERIES
B
CAMERA SYNC
A
D
1
2
3
L7
L8
L2
IC203
IC212
IC202
IC206
IC204
IC2
IC101
IC102
IC103
IC104
IC105
IC106
IC107
IC108
IC501
IC502
IC503
IC504
X3
D1
D2
D3
D4
D5
D6

(FOIL SIDE)


A
1B VJB23480
REF.NO.3000 SERIES
B
CAMERA SYNC
C
NM1V
D
VEP23480
1
2
3
X1
X2
X101
X102
P3501
SC PHASE
H PHASE
SCH PHASE
SCH DET
4FSC PHASE
CK1 PHASE
CK2 PHASE
TEST LEV
TEST B
TEST G
TEST R
MOD1
MOD2
MOD3
MOD4
TG101
TG501
TP3
TP4
TP5
TP101
TP201
TP202
TP203
TP204
TP205
TP206
TP207
TP501

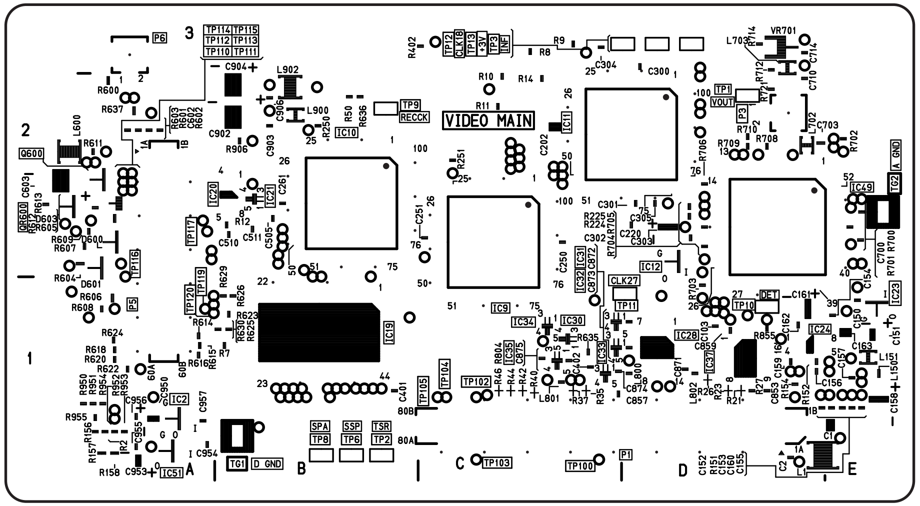
(COMPONENT SIDE)

VIDEO MAIN P.C.BOARD (VEP83377G[NTSC])(VEP83377F[PAL])

REF	LOC	REF	LOC	REF	LOC
IC2	D1	P1	B1	TP103	C1
IC9	C2	P3	A2	TP104	C1
IC10	C2	P5	D2	TP105	C1
IC11	B2	P6	D3	TP110	D2
IC12	B2	Q600	E2	TP111	D2
IC19	C1	QR600	E2	TP112	D2
IC20	D2	TG1	D1	TP113	D2
IC21	D2	TG2	A2	TP114	D2
IC23	A1	TP1	A2	TP115	D2
IC24	A1	TP2	C1	TP116	D2
IC28	B1	TP3	B3	TP117	D2
IC30	B1	TP6	C1	TP119	D1
IC31	B1	TP8	C1	TP120	D1
IC32	B1	TP9	C2	VR701	A3
IC33	B1	TP10	A1		
IC34	B1	TP11	B1		
IC35	B1	TP12	B3		
IC37	A1	TP13	B3		
IC49	A2	TP100	B1		
IC51	D1	TP102	C1		

IC4	A2	IC41	C1
IC5	A2	IC42	B2
IC6	A2	IC43	C1
IC7	D1	IC44	C1
IC8	C2	IC45	C1
IC13	C1	IC46	D1
IC14	C1	IC48	D2
IC15	B1	IC50	D3
IC16	B1	IC52	A1
IC17	B1	P2	A2
IC18	B2	P4	C3
IC22	A3	Q700	D2
IC25	E1	QR850	B1
IC26	B2	QR851	B1
IC27	B2		
IC29	C1		
IC36	D1		
IC38	D1		
IC39	D1		
IC40	B1		

CBA-11



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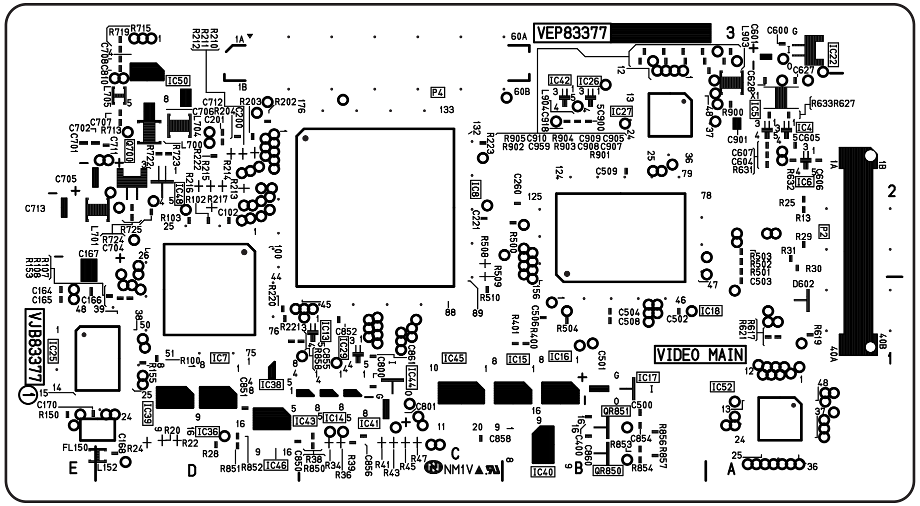


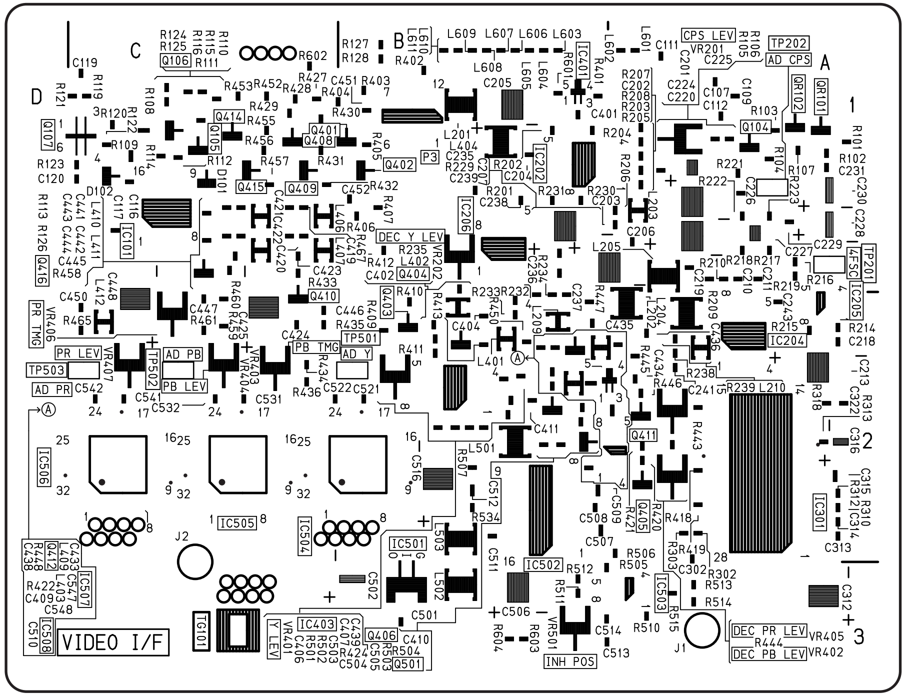
(COMPONENT SIDE)

VIDEO I/F P.C.BOARD (VEP03E84E[NTSC])(VEP03E84D[PAL])

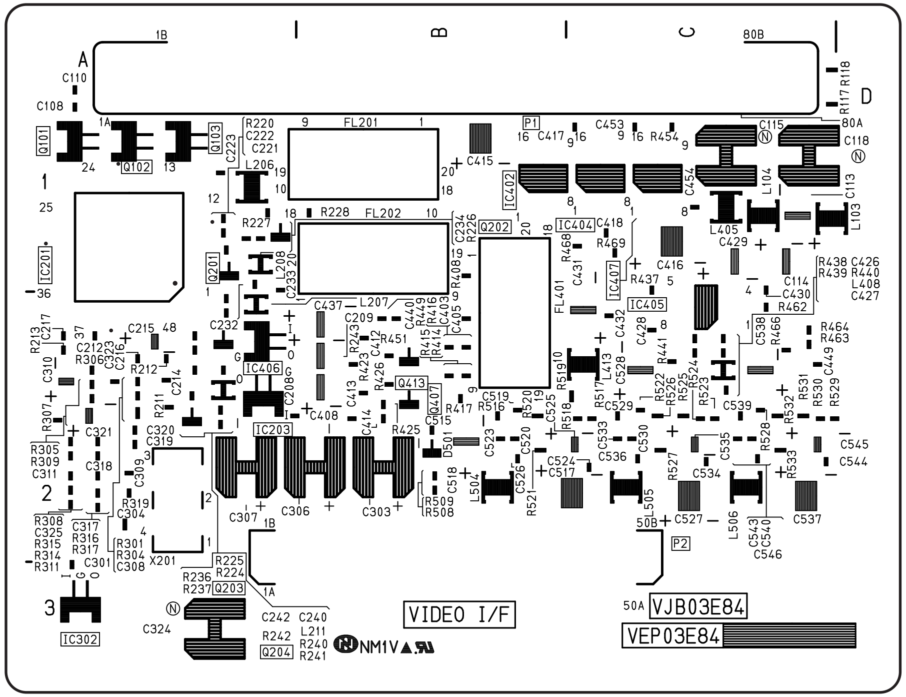
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC101	C1	IC503	A3	Q1O7	C1	411	A2	TP202	A1	VR405	A2
IC202	A1	IC504	B2	Q401	B1	Q412	B2	TP501	B2	VR406	C2
IC204	A2	IC505	C2	Q402	B1	Q414	C1	TP502	C2	VR407	C2
IC205	A1	IC506	C2	Q403	B2	Q415	C1	TP503	C2	VR501	B3
IC206	B1	IC507	A2	Q404	B2	Q416	C1	VR201	A1		
IC301	A2	IC508	A2	Q405	A2	Q501	A2	VR202	B1		
IC401	B1	P3	B1	Q406	B2	QR101	A1	VR401	B2		
IC403	B2	Q104	A1	Q408	C1	QR102	A1	VR402	A2		
IC501	B3	Q105	C1	Q409	C1	TG101	C3	VR403	C2		
IC502	B2	Q106	C1	Q410	C1	TP201	A1	VR404	C2		

REF	LOC	REF	LOC
IC201	A1	Q101	A1
IC203	A2	Q102	A1
IC302	A3	Q103	A1
IC402	C1	Q201	A1
IC404	C1	Q202	B1
IC405	C2	Q203	A2
IC406	A2	Q204	A2
IC407	C1	Q407	B2
P1	B1	Q413	B2
P2	B2		

CBA-12


A
B
C
D
1
2
3
VIDEO I/F
TG101
J1
J2
INH POS
DEC PR LEV
DEC PB LEV
DEC Y LEV
PR LEV
PB LEV
PR TMG
PB TMG
AD PR
AD PB
AD Y
AD CPS
CPS LEV
Y LEV

(FOIL SIDE)


A
B
C
D
1
2
3
FL201
FL202
VIDEO I/F
VJB03E84
VEP03E84
NM1V

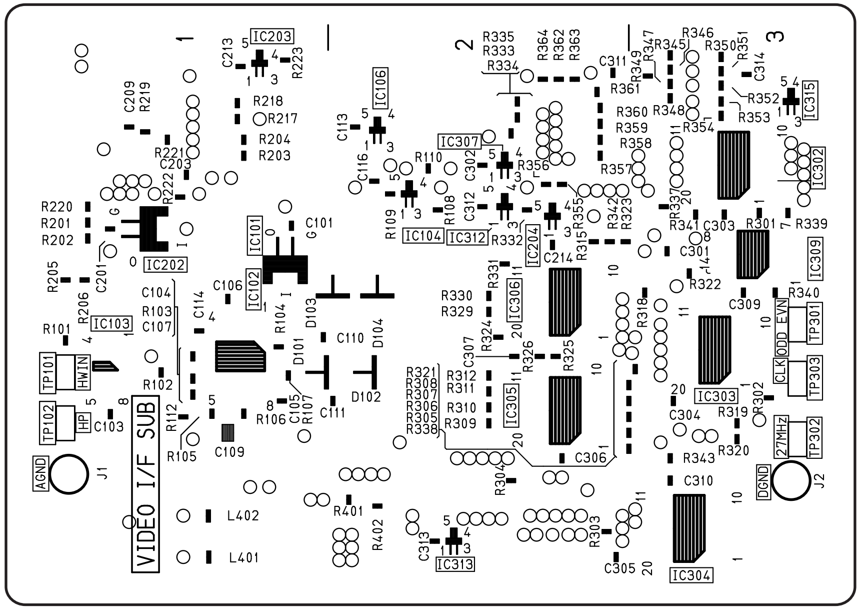
(COMPONENT SIDE)

VIDEO I/F SUB P.C.BOARD (VEP03E85E[NTSC])(VEP03E85D[PAL])

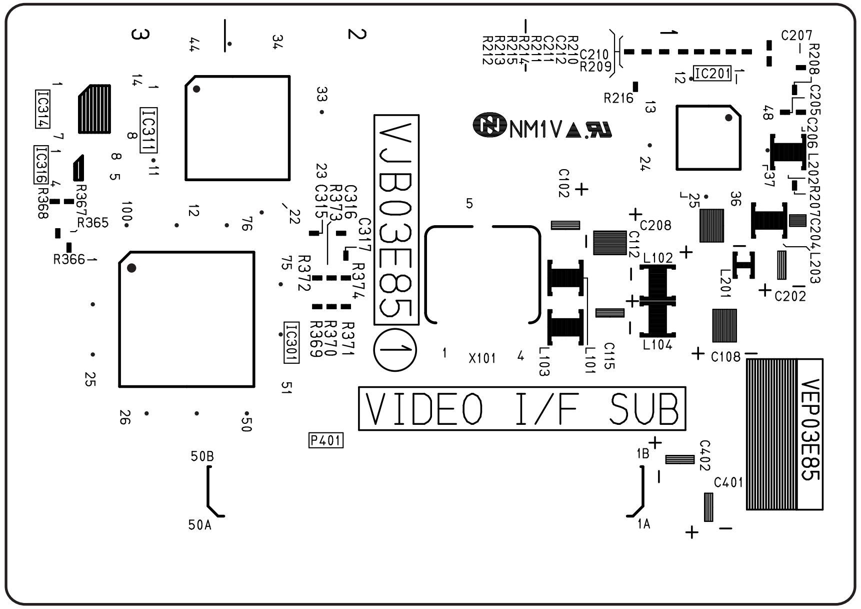
REF	LOC	REF	LOC
IC101	A1	IC306	A2
IC102	A1	IC307	A2
IC103	A1	IC309	A3
IC104	A2	IC312	A2
IC106	A2	IC313	A2
IC202	A1	IC315	A3
IC203	A1	TP101	A1
IC204	A2	TP102	A1
IC302	A3	TP301	A3
IC303	A3	TP302	A3
IC304	A3	TP303	A3
IC305	A2		

REF	LOC
IC201	A1
IC301	A3
IC311	A2
IC314	A3
IC316	A3
P401	A2

CBA-13


1
2
3
VIDEO I/F SUB
TP101
TP102
HWIN
HP
AGND
DGND
J1
J2
27MHz
ODD EVN
CLK
TP301
TP302
TP303
IC101
IC102
IC103
IC104
IC106
IC202
IC203
IC204
IC302
IC303
IC304
IC305
IC306
IC307
IC309
IC312
IC313
IC315
L401
L402
R401
R402

(FOIL SIDE)


1
2
3
VJB03E85
①
VIDEO I/F SUB
VEP03E85
NM1V
IC201
IC301
IC311
IC314
IC316
P401
X101
L101
L102
L103
L104
L201
C401
C402
50A
50B
1A
1B

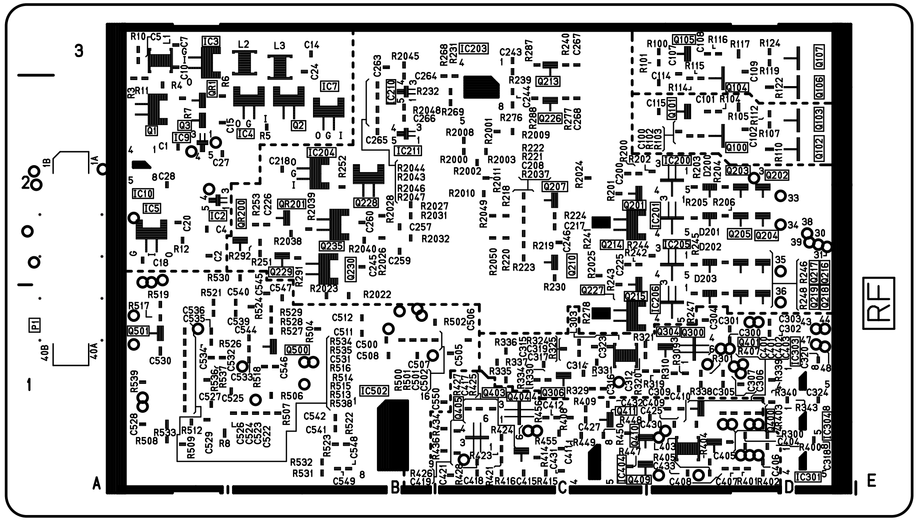
(COMPONENT SIDE)

RF P.C.BOARD (VEP03E42A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D2	P1	E2	Q214	B2	Q409	B1
IC3	D3	Q1	D2	Q215	B1	Q410	B1
IC4	D2	Q2	D2	Q216	A2	Q411	B1
IC5	D2	Q3	D2	Q217	B2	Q500	D1
IC7	C2	Q100	B2	Q218	A1	Q501	D1
IC9	D2	Q101	B2	Q219	B1	QR1	D2
IC10	D2	Q102	A2	Q226	B2	QR200	D2
IC200	B2	Q103	A2	Q227	B1	QR201	D2
IC201	B2	Q104	B2	Q228	C2		
IC203	C2	Q105	B3	Q229	D2		
IC204	D2	Q106	A2	Q230	D2		
IC205	B2	Q107	A3	Q235	C2		
IC206	B1	Q201	B2	Q300	B1		
IC210	C2	Q202	A2	Q304	B1		
IC211	C2	Q203	B2	Q306	B1		
IC301	A1	Q204	A2	Q400	B1		
IC303	A1	Q205	B2	Q401	B1		
IC304	A1	Q207	B2	Q403	C1		
IC404	B1	Q210	B2	Q404	C1		
IC502	C1	Q213	B3	Q405	C1		

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	A2	Q209	D2	TG500	B1	TP508	B1
IC6	A2	Q212	C3	TP1	A2	VR200	B2
IC8	A2	Q221	D2	TP100	D2	VR300	D1
IC100	D2	Q222	D1	TP101	D2	VR400	D1
IC101	D2	Q225	C2	TP200	C2	VR401	D1
IC207	C2	Q231	C2	TP201	C2		
IC208	B2	Q232	C2	TP202	C2		
IC209	B2	Q233	C2	TP203	C1		
IC300	D1	Q234	C1	TP300	A1		
IC302	C1	Q305	C1	TP400	A1		
IC400	D1	Q307	C1	TP401	C1		
IC401	C1	Q406	B1	TP402	B1		
IC402	C1	Q407	B1	TP500	B1		
IC403	D1	Q408	B1	TP501	B1		
IC500	B1	QR100	D2	TP502	B1		
IC501	B1	QR101	D2	TP503	A1		
P2	A2	QR400	C1	TP504	A1		
P3	D2	QR401	B1	TP505	A1		
P4	E1	TG1	B2	TP506	A1		
Q208	D2	TG300	C1	TP507	A1		

CBA-14



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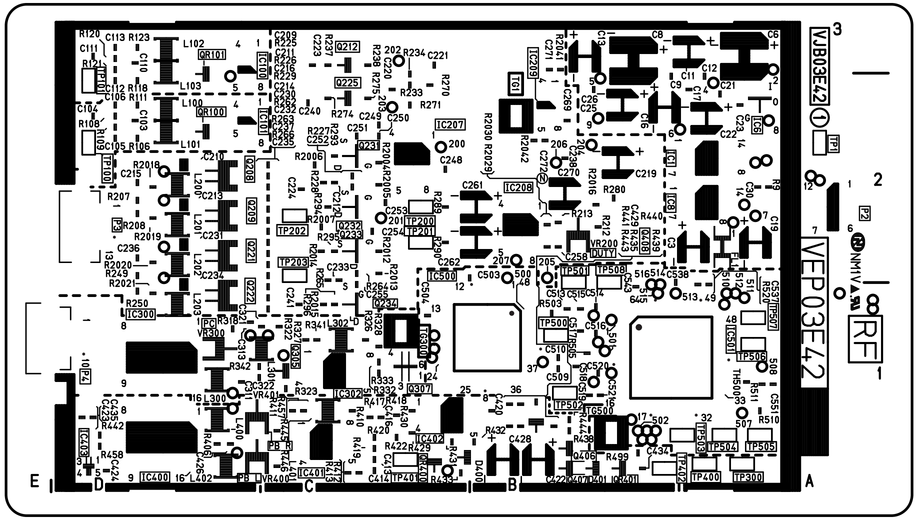
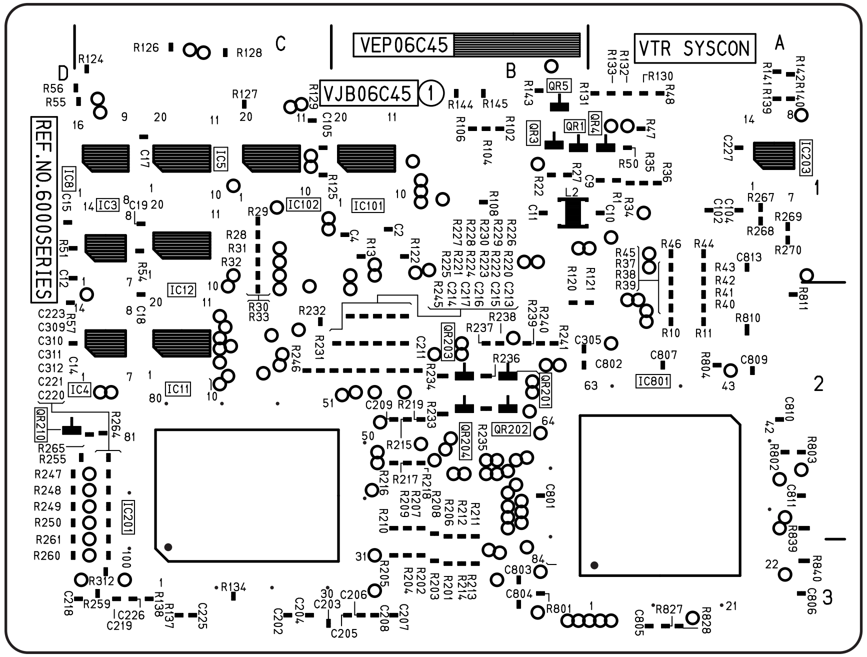


(COMPONENT SIDE)

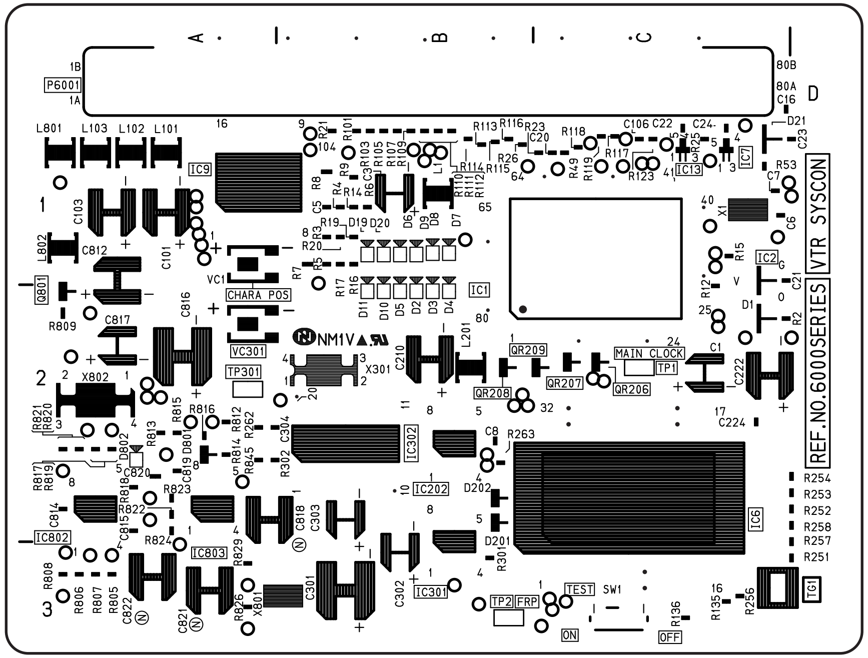
VTR SYSCON P.C.BOARD (VEP06C45L[AJ-D610WB])(VEP06C45M[AJ-D610WBP]) (VEP06C45K[AJ-D610WBE/MC])

REF	LOC	REF	LOC
IC6003	C1	IC6801	A2
IC6004	C2	QR6001	A1
IC6005	C1	QR6003	B1
IC6008	C1	QR6004	A1
IC6011	C2	QR6005	B1
IC6012	C1	QR6201	B2
IC6101	B1	QR6202	B2
IC6102	C1	QR6203	B2
IC6201	C2	QR6204	B2
IC6203	A1	QR6210	C2

REF	LOC	REF	LOC	REF	LOC
IC6001	C1	ICS6006	C2	TP6002	C3
IC6002	D1	P6001	B1	TP6301	A2
IC6007	C1	Q6801	A1	VC6001	A1
IC6009	B1	QR6206	C2	VC6301	A2
IC6013	C1	QR6207	C2		
IC6202	B2	QR6208	C2		
IC6301	B2	QR6209	C2		
IC6302	B2	SW6001	C3		
IC6802	A2	TG6001	D3		
IC6803	A2	TP6001	C2		


VEP06C45
VJB06C45
VTR SYSCON
REF.NO.6000SERIES
A
B
C
D
1
2
3

(FOIL SIDE)


VTR SYSCON
REF.NO.6000SERIES
P6001
CHARA POS
MAIN CLOCK
TEST
SW1
ON
OFF
A
B
C
D
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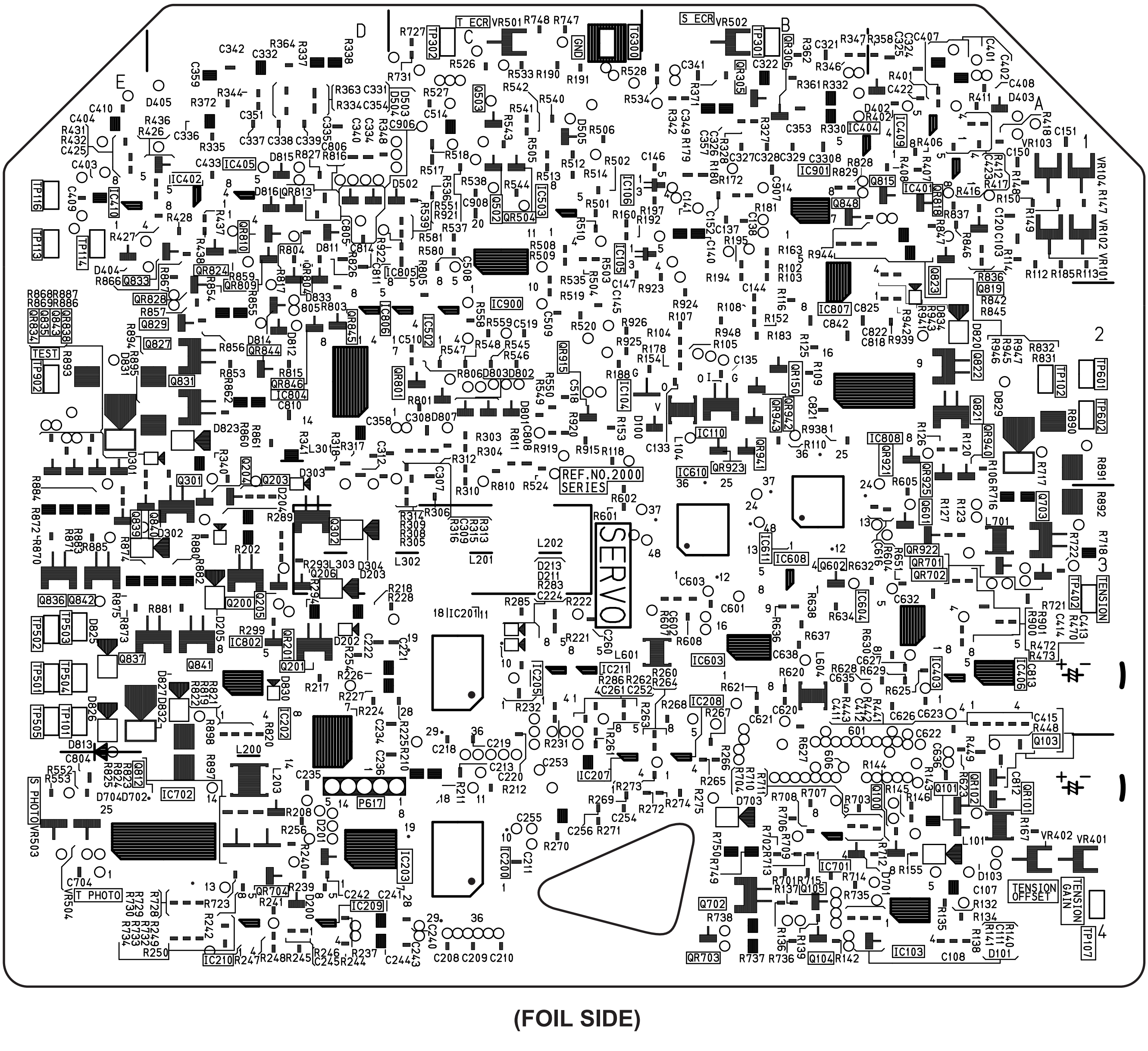
2
3

(COMPONENT SIDE)

SERVO P.C.BOARD (VEP82219C)

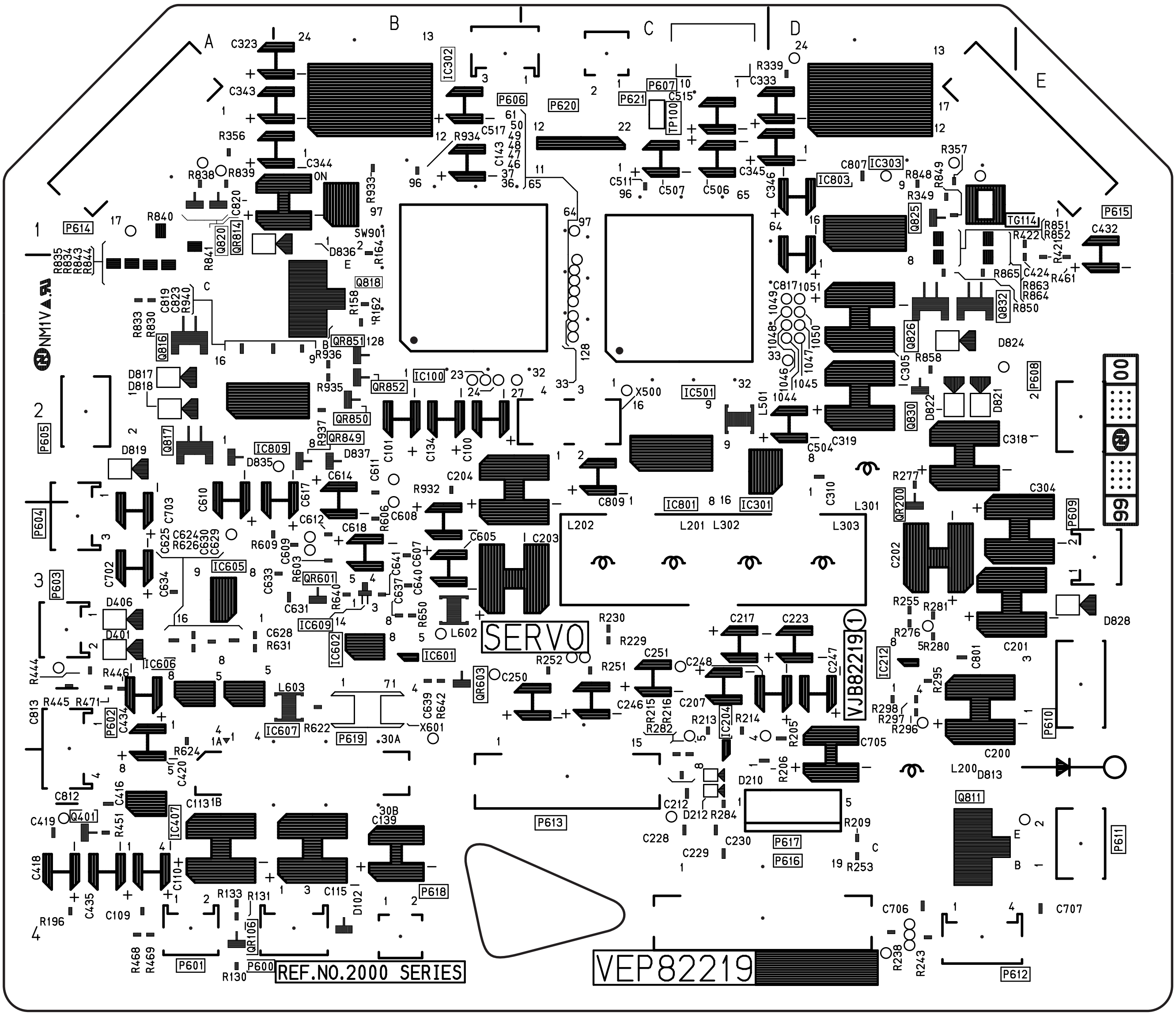
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC103	A4	IC405	D1	P617	B4	Q822	A2	QR504	C1	QR921	B2	TP502	E3
IC104	B2	IC406	A3	Q100	A4	Q823	A2	QR701	A3	QR922	A2	TP503	E3
IC105	B2	IC409	A1	Q101	A4	Q827	D2	QR702	A3	QR923	B2	TP504	E3
IC106	B1	IC410	E1	Q103	A4	Q829	D2	QR703	B4	QR925	B2	TP505	E3
IC110	B2	IC502	C2	Q104	B4	Q831	D2	QR704	D4	QR940	A2	TP601	A2
IC200	C4	IC503	C1	Q105	B4	Q833	D2	QR801	C2	QR941	B2	TP602	A2
IC201	C3	IC603	B3	Q200	D3	Q835	E2	QR804	D2	QR942	B2	TP902	E2
IC202	D4	IC604	A3	Q201	D3	Q836	E3	QR809	D2	QR943	B2	VR101	A1
IC203	D4	IC608	B3	Q301	D3	Q837	D3	QR810	D1	TG300	C1	VR102	A1
IC205	C3	IC610	B3	Q302	D3	Q839	E3	QR813	D1	TP101	E3	VR103	A1
IC207	C4	IC611	B3	Q502	C1	Q840	D3	QR818	A1	TP102	A2	VR104	A1
IC208	B4	IC701	B4	Q503	C1	Q841	D3	QR824	D2	TP107	A4	VR401	A4
IC209	D4	IC702	D4	Q601	A3	Q842	E3	QR828	D2	TP113	E1	VR402	A4
IC210	D4	IC802	D3	Q602	B3	Q843	E2	QR834	E2	TP114	E1	VR501	C1
IC211	C3	IC804	D2	Q702	B4	QR101	A4	QR838	E2	TP116	E1	VR502	B1
IC401	A1	IC805	C2	Q703	A3	QR102	A4	QR844	D2	TP301	B1	VR503	E4
IC402	D1	IC806	D2	Q812	D4	QR150	B2	QR845	D2	TP302	C1	VR504	E4
IC403	A3	IC900	C2	Q819	A1	QR305	B1	QR846	D2	TP402	A3		
IC404	B1	IC901	B1	Q821	A2	OR306	B1	QR915	C2	TP501	E3		



(FOIL SIDE)

SERVO P.C.BOARD (VEP82219C)

REF	LOC	REF	LOC	REF	LOC
IC100	B2	P604	A3	Q816	A2
IC204	C4	P605	A2	Q817	A2
IC301	C2	P606	B1	Q820	A1
IC302	B1	P607	C1	Q825	D1
IC303	D1	P608	E2	Q826	D2
IC407	A4	P609	E3	Q830	D2
IC501	C2	P610	E3	Q832	D2
IC601	B3	P611	E4	QR106	A4
IC602	B3	P612	D4	QR107	B4
IC605	A3	P613	C4	QR601	B3
IC606	A3	P614	A1	QR603	B3
IC607	A3	P615	E1	QR814	A1
IC609	B3	P616	C4	SW901	B2
IC801	C2	P618	B4	TG114	D1
IC803	D1	P619	B4	TP100	C1
P1	B2	P620	C1		
P600	B4	P621	C1		
P601	A4	Q401	A4		
P602	A4	Q811	D4		
P603	A3	Q815	A2		



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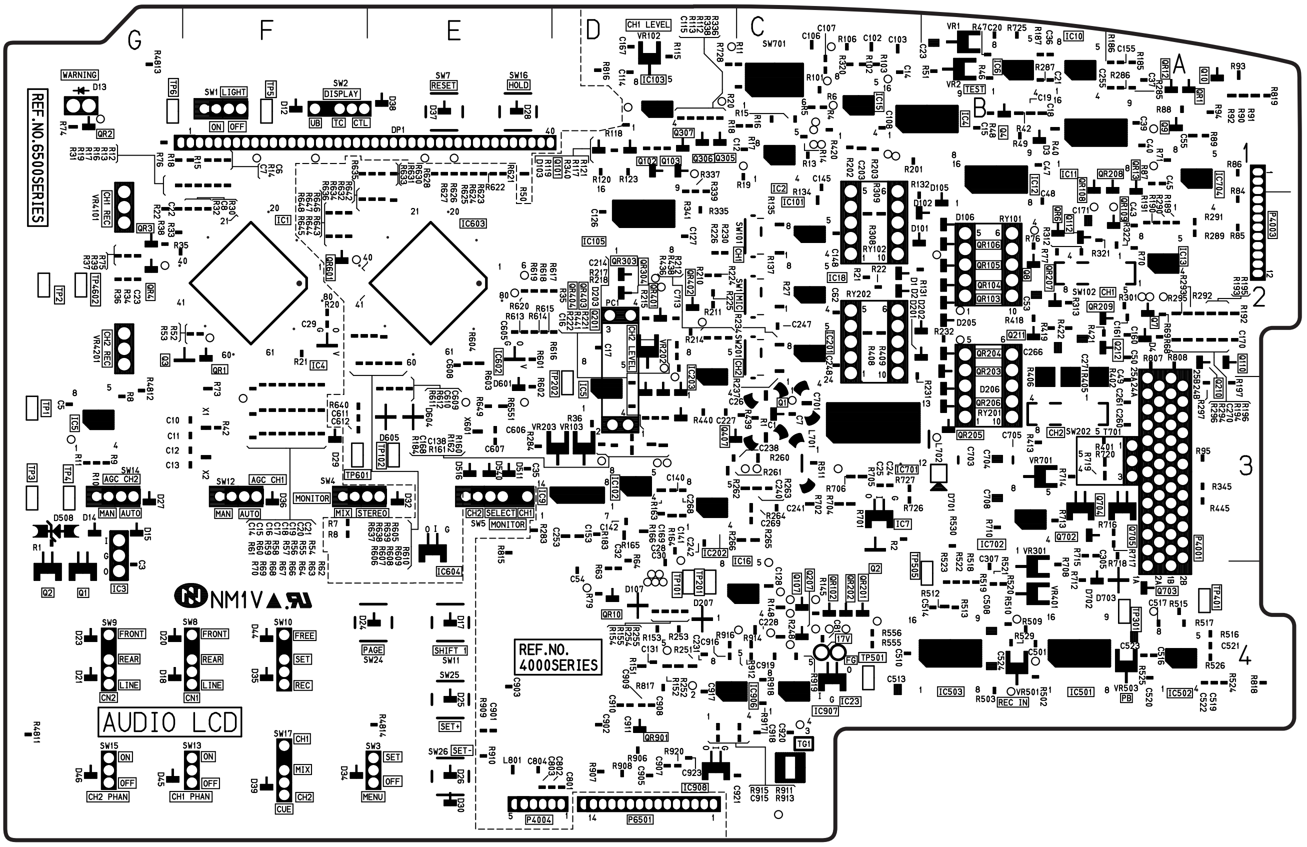
4
SERVO
VJB82219①
VEP82219
REF.NO.2000 SERIES

(COMPONENT SIDE)

AUDIO LCD P.C.BOARD (VEP04727B)

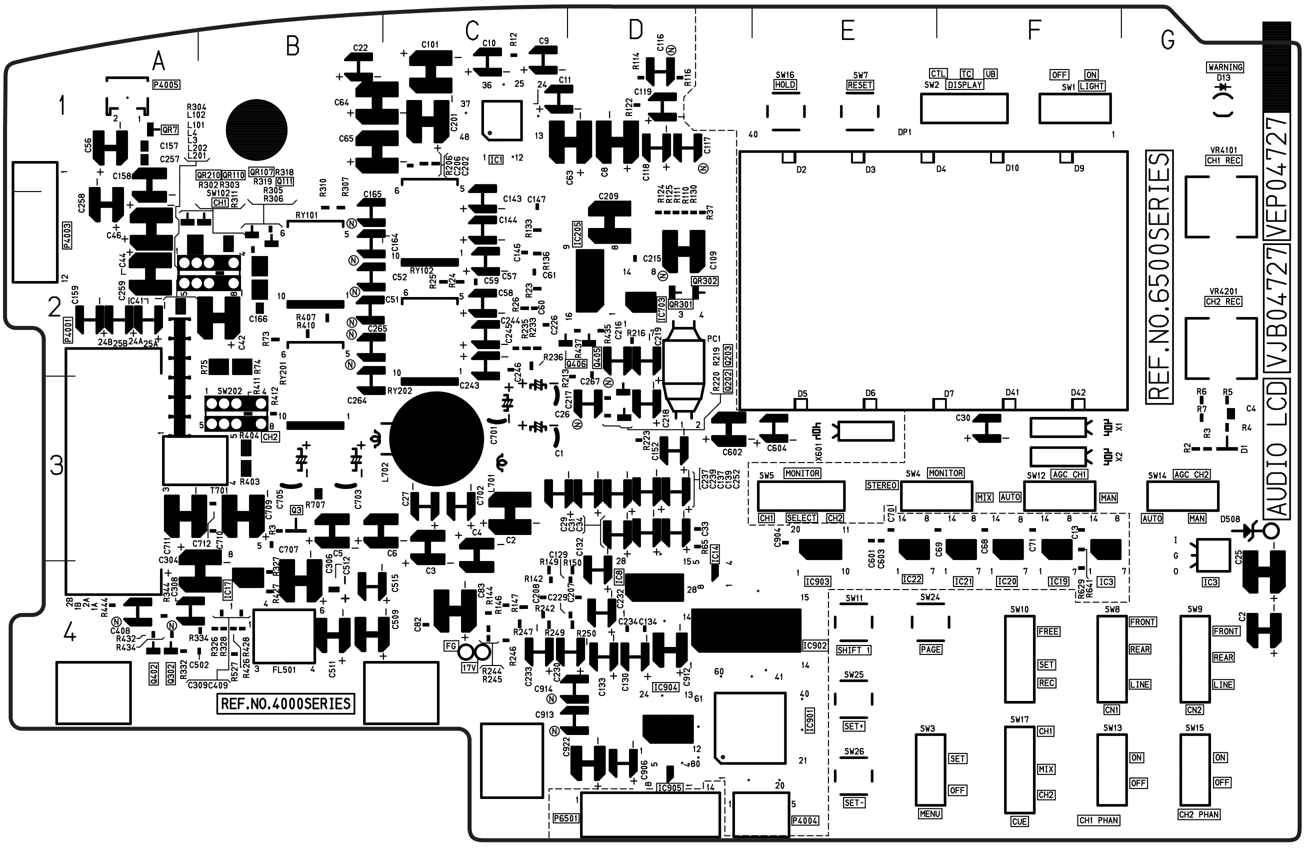
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4002	C1	IC4203	C2	Q4008	B2	Q4704	A3	QR4204	B2	SW4201	C2	VR4002	B1
IC4004	B1	IC4501	A4	Q4009	A1	Q4705	A3	QR4205	B3	SW4701	C1	VR4102	D1
IC4005	D2	IC4502	A4	Q4010	A1	Q6501	G3	QR4206	B3	TG4001	C4	VR4103	D3
IC4006	B1	IC4503	B4	Q4101	D1	Q6502	G3	QR4207	B2	TP4101	D4	VR4202	D2
IC4007	B3	IC4602	E2	Q4102	D1	Q6503	F2	QR4208	A1	TP4102	E3	VR4203	D3
IC4009	D3	IC4603	E2	Q4103	D1	QR4001	A1	QR4209	A2	TP4201	C4	VR4301	B3
IC4010	A1	IC4604	E3	Q4107	C4	QR4006	A2	QR4303	D2	TP4202	D2	VR4401	B4
IC4011	A1	IC4701	C3	Q4110	A2	QR4010	D4	QR4304	D2	TP4301	A4	VR4501	B4
IC4012	B1	IC4702	B3	Q4112	A2	QR4012	A1	QR4401	D2	TP4401	A4	VR4503	A4
IC4013	A2	IC4704	A1	Q4201	D3	QR4013	A1	QR4402	D2	TP4501	C4	VR4701	B3
IC4015	C1	IC4906	C4	Q4207	C4	QR4102	C4	QR4403	D2	TP4505	B3		
IC4016	C4	IC4907	C4	Q4210	A2	QR4103	B2	QR4404	D2	TP4601	E3		
IC4018	C2	IC4908	C4	Q4211	B2	QR4104	B2	QR4601	F2	TP4602	G2		
IC4023	C4	IC6501	F2	Q4212	A2	QR4105	B2	QR4901	D4	TP6501	G3		
IC4101	C2	IC6504	F2	Q4305	C1	QR4106	B2	QR6501	F2	TP6502	G2		
IC4102	D3	IC6505	G3	Q4306	C1	QR4108	A1	QR6502	G1	TP6503	G3		
IC4103	D1	Q4001	C3	Q4307	D1	QR4109	A2	QR6503	G2	TP6504	G3		
IC4105	D1	Q4002	C3	Q4407	C3	QR4201	C4	QR6504	G2	TP6505	F1		
IC4201	C2	Q4004	B1	Q4702	A3	QR4202	C4	SW4001	C2	TP6506	F1		
IC4202	C3	Q4007	A2	Q4703	A4	QR4203	B2	SW4101	C2	VR4001	B1		



(FOIL SIDE)

AUDIO LCD P.C.BOARD (VEP04727B)

REF	LOC	REF	LOC	REF	LOC
IC4001	C1	P4005	A1	SW6502	F1
IC4003	G3	P6501	D4	SW6503	F4
IC4008	D4	PC4001	D3	SW6504	F3
IC4014	D4	Q4003	B3	SW6505	E3
IC4017	B4	Q4111	B2	SW6507	E1
IC4019	F3	Q4202	D3	SW6508	G4
IC4020	F3	Q4203	D2	SW6509	G4
IC4021	F3	Q4302	A4	SW6510	F4
IC4022	F3	Q4402	A4	SW6511	E4
IC4205	D2	Q4405	D2	SW6512	F3
IC4703	D2	Q4406	D2	SW6513	G4
IC4901	E4	QR4007	A1	SW6514	G3
IC4902	E4	QR4107	B2	SW6515	G4
IC4903	E3	QR4110	B1	SW6516	E1
IC4904	D4	QR4210	B1	SW6517	F4
IC4905	D4	QR4301	D2	SW6524	F4
IC6503	G3	QR4302	D2	SW6525	E4
P4001	A3	SW4102	G2	SW6526	E4
P4003	A1	SW4202	G3	VR4101	G1
P4004	E4	SW6501	G1	VR4201	G2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P4003
P4001
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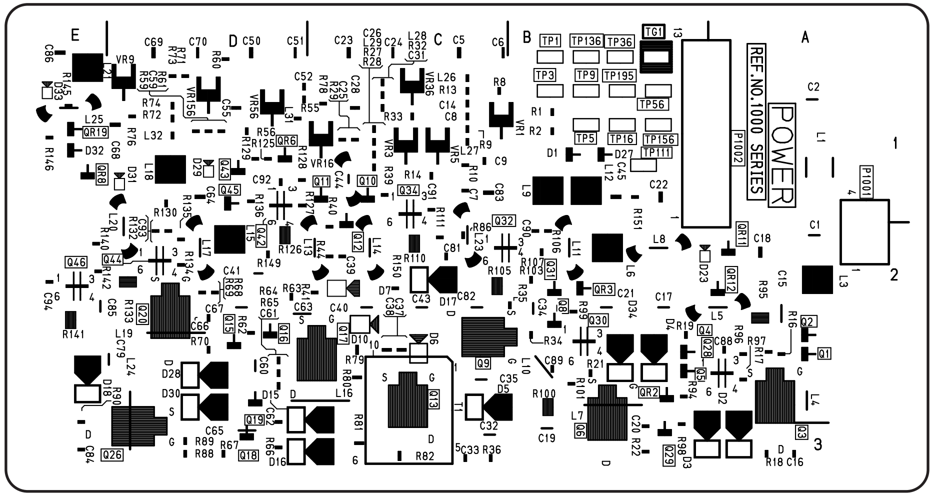
REF.NO.6500SERIES
AUDIO LCD VJB04727 VEP04727
WARNING D13
VR4101 CH1 REC
VR4201 CH2 REC
SW16 HOLD
SW7 RESET
SW2 CTL TC UB DISPLAY
SW1 OFF ON LIGHT
DP1
SW5 MONITOR CH1 SELECT CH2
SW4 MONITOR STEREO MIX AUTO
SW12 AGC CH1 MAN
SW14 AGC CH2 AUTO MAN
SW11 SHIFT 1
SW24 PAGE
SW25 SET+
SW26 SET-
SW3 SET OFF MENU
SW10 FREE SET REC
SW17 CH1 MIX CH2 CUE
SW8 FRONT REAR LINE CN1
SW9 FRONT REAR LINE CN2
SW13 ON OFF CH1 PHAN
SW15 ON OFF CH2 PHAN
IC902
IC901
IC903
IC904
IC905
P6501
P4004
FL501
T701
RY101
RY102
RY201
RY202
PC1
IC3
D508

(COMPONENT SIDE)

POWER P.C.BOARD (VEP81180E[NTSC])(VEP81180F[PAL])

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1001	C1	Q1018	A3	Q1047	D2	TG1001	C1
IC1002	C1	Q1019	A2	Q1051	B1	TP1001	C1
IC1003	D1	Q1020	A2	QR1001	B1	TP1003	C1
IC1004	D1	Q1024	D2	QR1002	D2	TP1005	C1
Q1001	D2	Q1025	D3	QR1003	C2	TP1009	C1
Q1002	D2	Q1026	A3	QR1004	B2	TP1016	C1
Q1003	D2	Q1027	A1	QR1005	C2	TP1036	C1
Q1004	D2	Q1028	D2	QR1006	B1	TP1056	D1
Q1005	D2	Q1029	D3	QR1007	D2	TP1111	C1
Q1006	C2	Q1030	C2	QR1008	A1	TP1136	C1
Q1007	B2	Q1031	C2	QR1010	B1	TP1156	D1
Q1008	C2	Q1032	C2	QR1011	D2	TP1195	C1
Q1009	C2	Q1033	B2	QR1012	D2	VR1001	C1
Q1010	B1	Q1034	B1	QR1013	B2	VR1003	B1
Q1011	B1	Q1035	C2	QR1014	B1	VR1005	B1
Q1012	B2	Q1042	B1	QR1015	B1	VR1009	A1
Q1013	B2	Q1043	A1	QR1016	B1	VR1016	B1
Q1015	A2	Q1044	A2	QR1017	D1	VR1036	B1
Q1016	B2	Q1045	A1	QR1018	D1	VR1056	B1
Q1017	B2	Q1046	A2	QR1019	A1	VR1156	A1

REF	LOC
P1001	A2
P1002	B1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A
POWER
REF.NO.1000 SERIES
P1002
P1001
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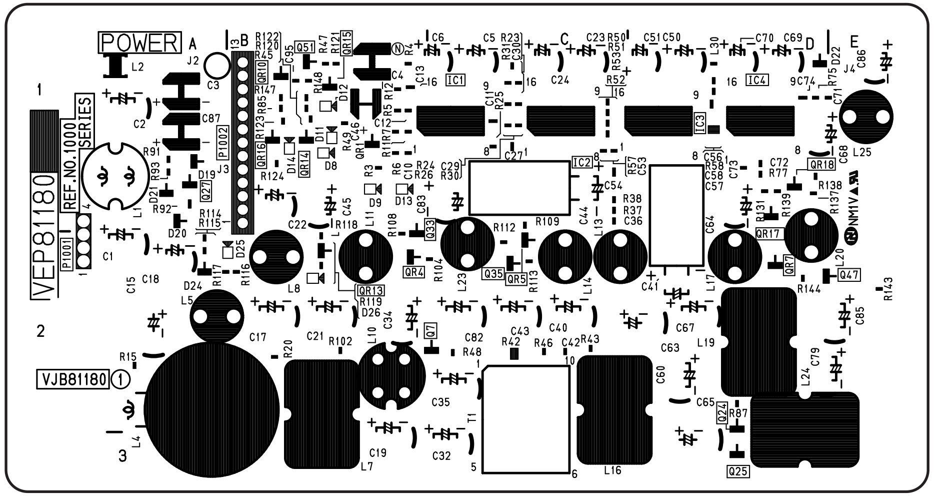
(FOIL SIDE)

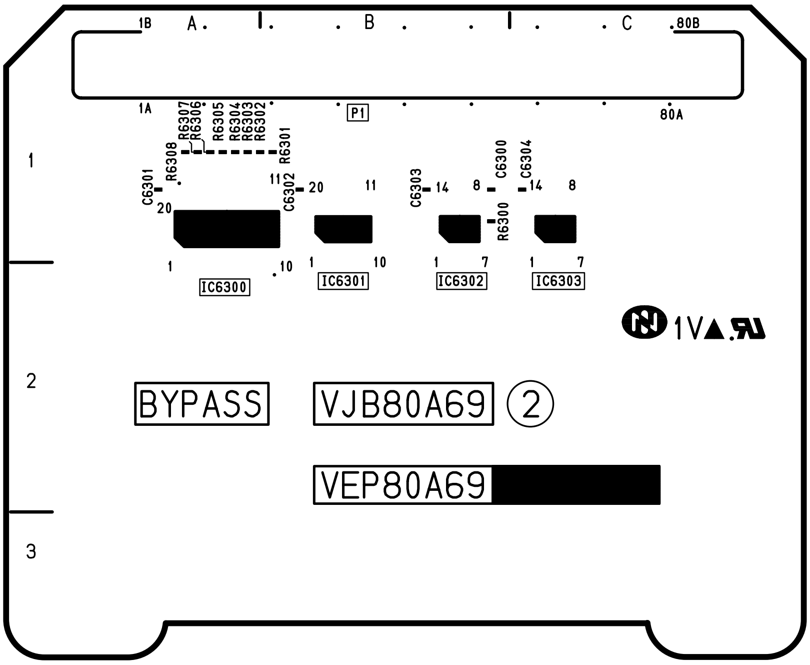

POWER
A
B
C
D
E
VEP81180
REF.NO.1000 SERIES
VJB81180①
1
2
3

(COMPONENT SIDE)

BYPASS P.C.BOARD (VEP80A69A)

COMPONENT SIDE

REF	LOC
IC6300	A1
IC6301	B1
IC6302	B1
IC6303	C1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A
B
C
80B
1A
P1
80A
R6307
R6306
R6305
R6304
R6303
R6302
R6301
R6308
C6301
C6302
C6303
C6300
C6304
R6300
IC6300
IC6301
IC6302
IC6303
1
2
3
1V
BYPASS
VJB80A69
②
VEP80A69

(COMPONENT SIDE)

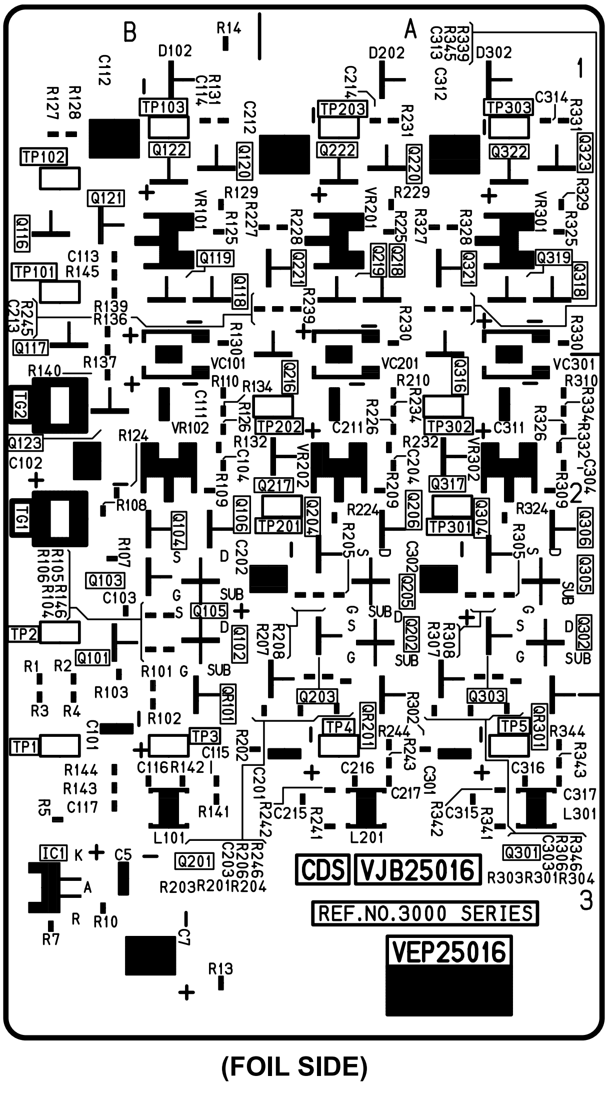
CDS P.C.BOARD (VEP25016V[NTSC])(VEP25016U[PAL])

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
GR101	B1	Q218	B3	TP4	A2
IC1	B1	Q219	B3	TP5	A2
P203	B1	Q220	B3	TP101	A2
Q101	B1	Q221	A1	TP102	A2
Q102	B1	Q222	A1	TP103	A2
Q103	B1	Q301	A1	TP201	A2
Q104	B1	Q302	A1	TP202	A2
Q105	B1	Q303	A1	TP301	A2
Q106	B1	Q304	A1	TP302	A2
Q116	B1	Q305	A1	TP303	A2
Q117	B2	Q306	A1	VC101	A2
Q118	B2	Q316	A1	VC201	A3
Q119	B2	Q317	A1	VC301	A3
Q120	B2	Q318	A1	VR101	A3
Q121	B2	Q319	A1	VR102	A3
Q122	B2	Q321	A1	VR201	A3
Q123	B2	Q322	A2	VR202	A3
Q201	B2	Q323	A2	VR302	A3
Q202	B2	QR201	A2		
Q203	B2	QR301	A2		
Q204	B2	TG1	A2		
Q205	B2	TG2	A2		
Q206	B1	TP1	A2		
Q216	B2	TP2	A2		
Q217	B3	TP3	A2		

COMPONENT SIDE

REF	LOC	REF	LOC
IC2	A1	Q309	B3
P3001	A1	Q310	B2
P3002	A1	Q311	B2
P3003	A2	Q312	B2
Q1	A2	Q313	B2
Q107	A2	Q314	B2
Q108	A2	Q315	B2
Q109	A2	QR102	B2
Q110	A2	QR202	B1
Q111	A2	QR302	B1
Q112	A2		
Q113	A2		
Q114	A2		
Q115	A2		
Q207	A2		
Q208	A2		
Q209	A2		
Q211	A3		
Q212	A3		
Q213	A3		
Q214	A3		
Q214	A3		
Q215	B3		
Q307	B3		
Q308	B3		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2
3
CDS VJB25016
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TP203
TP301
TP302
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TG2
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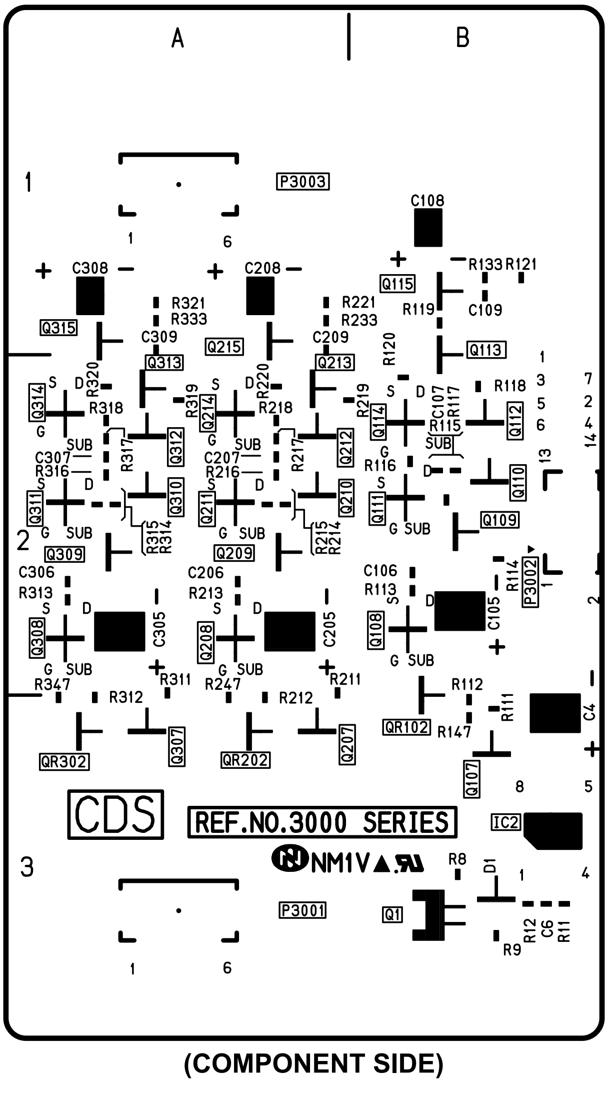
VC201
VC301
VR101
VR102
VR201
VR202
VR301
VR302

(FOIL SIDE)


A
B
1
2
3
CDS
REF.NO.3000 SERIES
NM1V
P3001
P3002
P3003
IC2
Q1

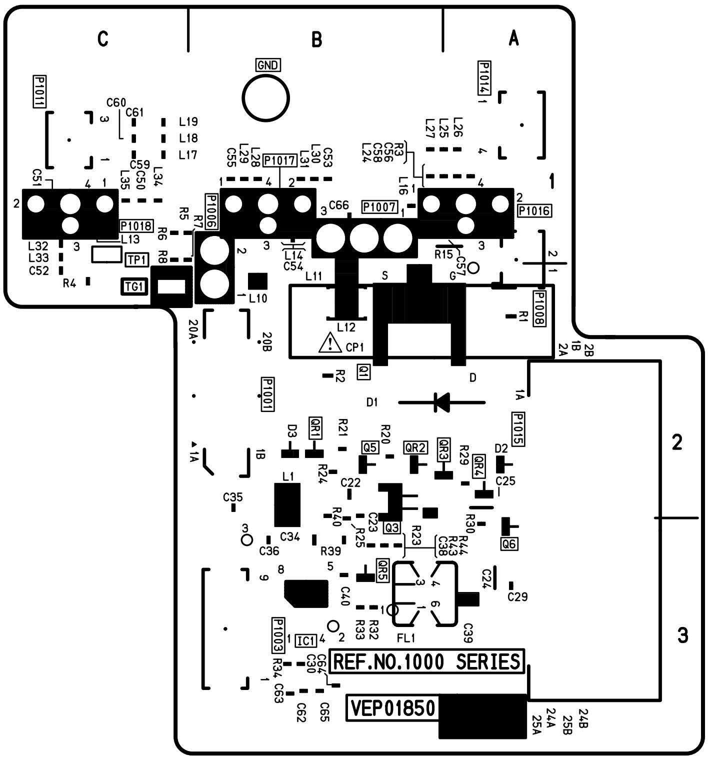
(COMPONENT SIDE)

REAR JACK P.C.BOARD (VEP01850A[AJ-D610WB])(VEP01850B[AJ-D610WBP]) (VEP01850C[AJ-D610WBE/MC])

⚠ 警 告

⚠ の部品は、安全上重要な部品です。
交換するときは、安全及び性能維持のため、
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.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P1008
P1001
P1015
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TG1
CP1
D1
FL1
IC1
Q1
Q3
Q5
Q6
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QR2
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QR4
QR5
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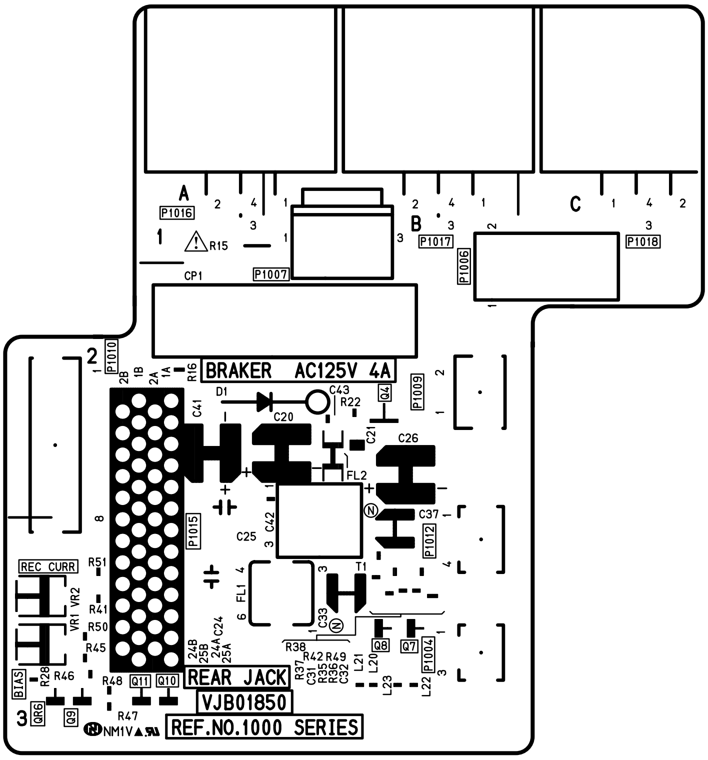
(FOIL SIDE)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C43
R22
FL2
C26
C37
C25
C42
FL1
T1
Q7
Q8
Q9
Q10
Q11
QR6
REC CURR
BIAS
VR1
VR2
REAR JACK
VJB01850
REF.NO.1000 SERIES
NM1V
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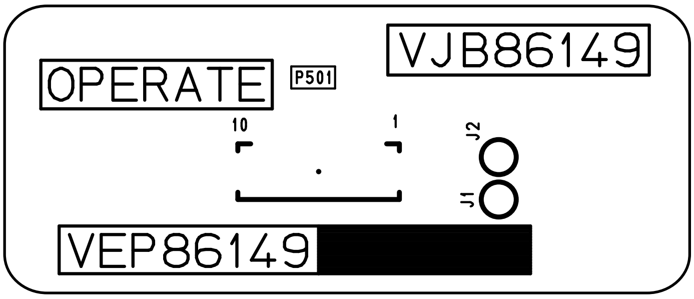
3

(COMPONENT SIDE)

OPERATE P.C.BOARD (VEP86149A)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OPERATE
P501
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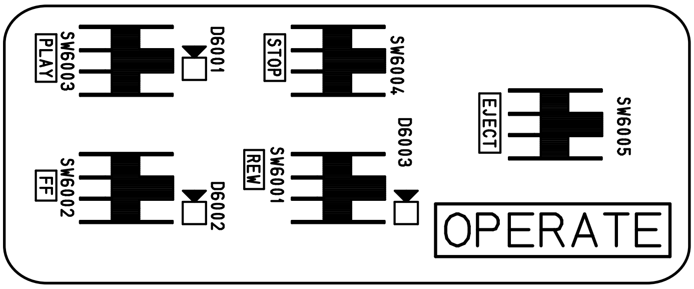
J2
J1
VEP86149

(FOIL SIDE)


PLAY
SW6003
D6001
STOP
SW6004
EJECT
SW6005
D6003
FF
SW6002
D6002
REW
SW6001
OPERATE

(COMPONENT SIDE)

SECTION 7

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

SERVICING FIXTURES & TOOLS PRT-1
FRAME ASSEMBLY (1) PRT-2
FRAME ASSEMBLY (2) PRT-4
FRAME ASSEMBLY (3) PRT-6
MECHANICAL CHASSIS ASSEMBLY (1) PRT-8
MECHANICAL CHASSIS ASSEMBLY (2) PRT-10
CASSETTE COMPARTMENT ASSEMBLY PRT-12
PACKING PARTS ASSEMBLY PRT-14
CABLE LIST PRT-16
ELECTRICAL REPLACEMNT PARTS LIST (AJ-D610WBP) PRT-17
ELECTRICAL REPLACEMNT PARTS LIST (AJ-D610WBE/MC) PRT-58

SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149A	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE	1	
4	VFK1191A	DIAL TORQUE GAUGE	1	
5	VFK1152	GORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER	1	
7	VFK1154	POST HIGHT TOOL	1	
8	VFK1153	MECH NEWTRAL PLATE	1	
9	VFK1423	TAPE BAG/END DET CASSETTE	1	
10	VFK1155	NEWTRAL POSITION TOOL	1	
11	VFK1156	NEWTRAL POSITION TOOL	1	
12	VFK1208	NEWTRAL POSITION TOOL	1	
13	VFK1150	NUT DRIVER (5.2MM)	1	
14	VFK1151	NUT DRIVER (2.5MM)	1	
15	VFK1188A	DIAL TENSION GAUGE	1	
16	VFK0948A	CHECK LIGHT	1	
17	VFK0749	FROIRAL GREASE	1	
18	M0R265	MORLYTONE GREASE	1	
19	VFK1146	PHILIPS DRIVER	1	
20	VFK1147	SCREW DRIVER	1	
21	VFK1148	HEX DRIVER (1.5MM)	1	
22	VFK1178	HEX DRIVER (0.89MM)	1	
23	VFK1179	HEX DRIVER (0.71MM)	1	
24	VFK1190	HEX WRENCH (1.5MM)	1	
25	VFK1209A	TORQUE DRIVER	1	
26	VFK1375	POST AXIS DRIVER	1	
27	VFK1300	A/D BOARD (DAQ-12,QUATECH)	1	
28	VFM3580KM	ALIGNMENT TAPE (NO.1)	1	FOR AJ-D610WBP
28	VFM3680KM	ALIGNMENT TAPE (NO.1)	1	FOR AJ-D610WBE/MC
29	VFM3581KM	ALIGNMENT TAPE (NO.2)	1	FOR AJ-D610WBP
29	VFM3681KM	ALIGNMENT TAPE (NO.2)	1	FOR AJ-D610WBE/MC
30	VFM3582KM	ALIGNMENT TAPE (NO.3)	1	FOR AJ-D610WBP
30	VFM3682KM	ALIGNMENT TAPE (NO.3)	1	FOR AJ-D610WBE/MC
32	VFK1481D	LISTA SOFT	1	
33	VFK1186	LISTA CABLE	1	
34	VFK1194	EXTENDER BOARD	1	
35	VFK1162B	EVR TOOL SOFTWARE	1	
36	VFK1158A	B.E.R. COUNTER	1	
37	VFK1185	B.E.R. COUNTER CABLE	1	
38	VFKW1000AA	EVR I/F BOX UNIT	1	
39	VFKW1000C	EVR RS232C CABLE	1	
40	VFK1180	EVR SUB I/F UNIT	1	
41	VFK1187	EVR CABLE	1	
42	VFK1210	MULTI CANON CABLE	1	
43	VFK0369	TWEEZERS	1	
44	VFK0371	RADIO PRIER	1	
45	VFK0372	CUTTER PRIER	1	
46	VFK0338	PHILLIPS DRIVER	1	
47	VFK0337	PHILLIPS DRIVER	1	
48	VFK1160C	RF AUTO ADJUSTMENT SOFT	1	
49	VFK1163A	RF AUTO ADJUSTMENT TOOL	1	
50	VFK0906	OIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

FRAME ASSEMBLY (1)

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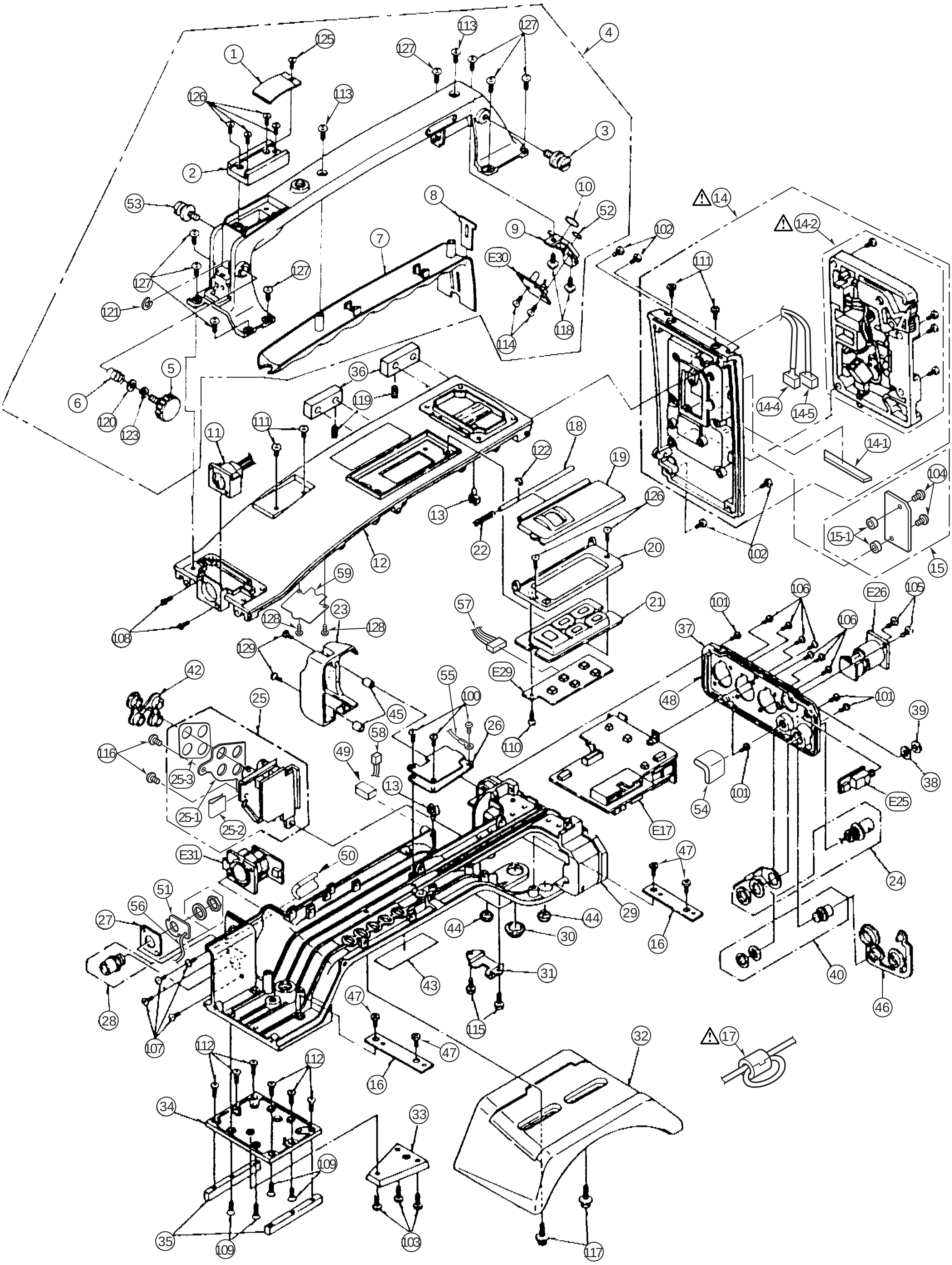

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FRAME ASSEMBLY (1)

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	4G28145	SPRING	1	
2	V5MA0046A4	CAMERA SHOE	1	
3	VMS4284	BELT HOOK PIN	1	
4	VYH0270	HANDLE ASS'Y	1	
5	VGU7080	SIDE ASS'Y LOCK KNOB	1	
6	VMB1615	SPRING	1	
7	VKF2700	HANDLE COVER	1	
8	VKF2516	CARD COVER	1	
9	VGL0720	TALLY COVER	1	
10	VMG0956	P8 O-RING	1	
11	VEE0G49	EVF CONNECTOR	1	FOR AJ-D610WBP
11	VEE0G68	EVF CONNECTOR	1	FOR AJ-D610WBE/MC
12	VGM1688	UPPER CASE	1	
13	VJF0909	CABLE CLAMPER	2	
⚠ 14	VYK9404	BACK CASE ASS'Y	1	FOR AJ-D610WBP
⚠ 14	VYK9405	BACK CASE ASS'Y	1	FOR AJ-D610WBE/MC
14-1	VGF0515	BATTERY CABLE HOLDER	1	
⚠ 14-2	VJF1347	BATTERY HOLDER	1	
14-4	VEE0D35	ANTON BATT CABLE	1	FOR AJ-D610WBP
14-4	VEE0J12	ANTON BATT CABLE	1	FOR AJ-D610WBE/MC
14-5	VEE0D47	ANTON BATT CABLE	1	FOR AJ-D610WBP
14-5	VEE0J22	ANTON BATT CABLE	1	FOR AJ-D610WBE/MC
15	VYF2460	BACK CASE COVER ASS'Y	1	
15-1	VMX2606	SPACER	2	
16	VKC0560	HINGE	2	
⚠ 17	VLP0120	FERRITE CORE	1	FOR AJ-D610WBE/MC
18	VMS5860	DOOR SHAFT	1	
19	VKF3065	VTR OPERATION DOOR	1	
20	VGK2476	VTR OPERATION BASE	1	
21	VGU8218	VTR OPERATION BUTTON	1	
22	VMB2917	DOOR SPRING	1	
23	VKF3087	CONNECTOR COVER	1	
24	VJS1440	CONNECTOR (FEMALE)	1	
25	VEK8340	CONNECTOR (L) ASS'Y	1	FOR AJ-D610WBP
25	VEK9052	CONNECTOR (L) ASS'Y	1	FOR AJ-D610WBE/MC
25-1	VXA6769	BNC PLATE ASS'Y	1	FOR AJ-D610WBE/MC
25-2	VSC4874	CLIP FINGER	1	FOR AJ-D610WBE/MC
25-3	VMG1328	CONNECTOR SHEET	1	
26	VSC4400	SHIELD CASE	1	
27	VMP4853	LENS CONNECTOR PLATE	1	
28	VEE0D31	LENS CONNECTOR	1	
29	VGM1631	LOWER CASE	1	
30	VMG1417	BRAKER CAP	1	
31	VMP4896	BACK LOCK ANGLE	1	
32	VMT0768	SHOLDER PAD	1	
33	VGM1825	FRONT V EDGE	1	
34	VGM1824	FRONT FOOT BASE	1	
35	VKA0299	FRONT FOOK	2	
36	VMX2779	MECHA SPACER	2	
37	VGM1263	JACK PANEL	1	
38	VMX0531	CLATCH SPACER	1	
39	VHN0194	SPACER	1	
40	VEE9413	CONNECTOR	1	
42	VMG1097	CONNECTOR CAP (A)	1	
43	VGQ4060	NET	1	
44	VMG0954	REAR FOOT	2	
45	VMX2606	SPACER	2	
46	VMG1098	CONNECTOR CAP (B)	1	
47	VHD0325	SCREW	4	
48	VMG0832	SHIELD TUBE	1	
49	VMT0824	GASKET	1	
50	VMT0823	DUST PROOF CUSHION (C)	1	
51	VMP5255	GND ANGLE	1	
52	VMG0955	P4 O-RING	1	
53	VMS6234	BELT HOOK PIN	1	
54	VMT0823	DUST PROOF CUSHION (C)	1	
55	SHR330	CLAMPER	1	
56	VEE0F41	CABLE	1	
57	VEE0L08	OPERATE CABLE	1	
58	VEE0F15	AUDIO OUT CABLE	1	
59	VSC4803	GND ANGLE	1	FOR AJ-D610WBE/MC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	XSB26+6	SCREW	3	
101	XSN3+8FCK	SCREW	4	
102	XSB3+10FCK	SCREW	4	
103	XSB4+6FC	SCREW	3	
104	XSB3+6FZ	SCREW	2	
105	XSN26+6FC	SCREW	2	
106	XSN26+6FCK	SCREW	7	
107	XSN26+8FCK	SCREW	4	
108	XSS2+4FZ	SCREW	2	
109	XSS3+8FZ	SCREW	4	
110	XTN2+4G	SCREW	1	
111	XSB4+6FCK	SCREW	4	
112	XTS26+6J	SCREW	6	
113	XSB3+8FZ	SCREW	2	
114	XTN2+6G	SCREW	2	
115	XYN26+C8FZ	SCREW	2	
116	XYN3+K8	SCREW	2	
117	XYN3+F8	SCREW	2	
118	XYN2+F6	SCREW	2	
119	XXEV26W3FP	HEX SCREW	2	
120	XWE4FZ	WASHER	1	
121	XUC3FP	E-RING	1	
122	XUC12VM	E-RING	1	
123	XWA4BFZ	WASHER	1	
125	XSN26+4FC	SCREW	1	
126	XSN2+6FZ	SCREW	6	
127	XYN3+C4	SCREW	8	
128	XSB3+3	SCREW	2	FOR AJ-D610WBE/MC
129	XSN2+8FZ	SCREW	2	
E17	VEP01850B	REAR JACK P.C.BOARD	1	FOR AJ-D610WBP
E17	VEP01850C	REAR JACK P.C.BOARD	1	FOR AJ-D610WBE/MC
E25	VEP00W08B	HEADPHONE P.C.BOARD	2	
E26	VEP00X87A	DC INPUT P.C.BOARD	1	
E29	VEP86149A	OPERATE P.C.BOARD	1	
E30	VEP80858A	BACK TALLY P.C.BOARD	1	
E31	VEP80A14E	FRONT MIC P.C.BOARD	1	

FRAME ASSEMBLY (2)

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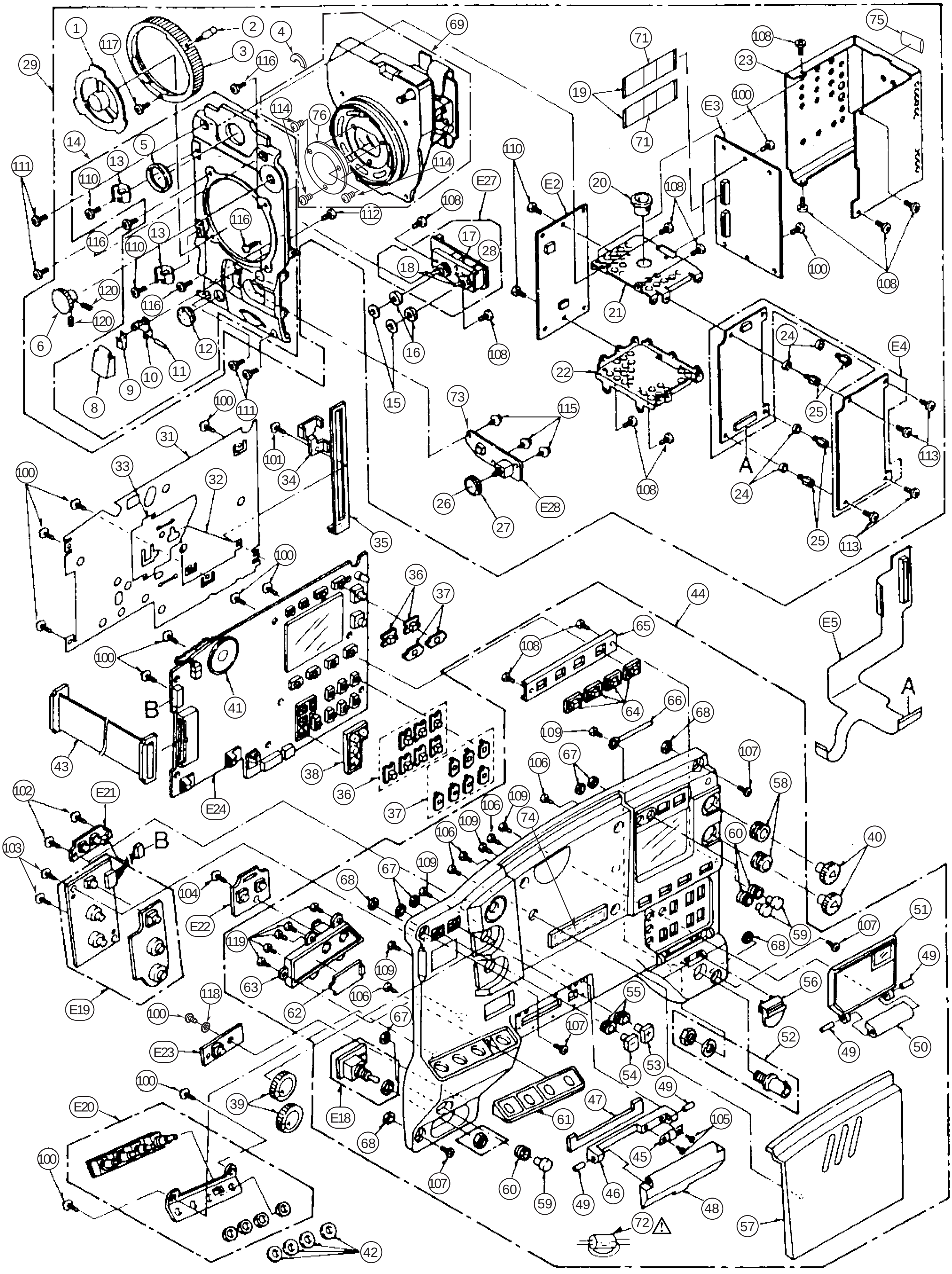
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FRAME ASSEMBLY (2)

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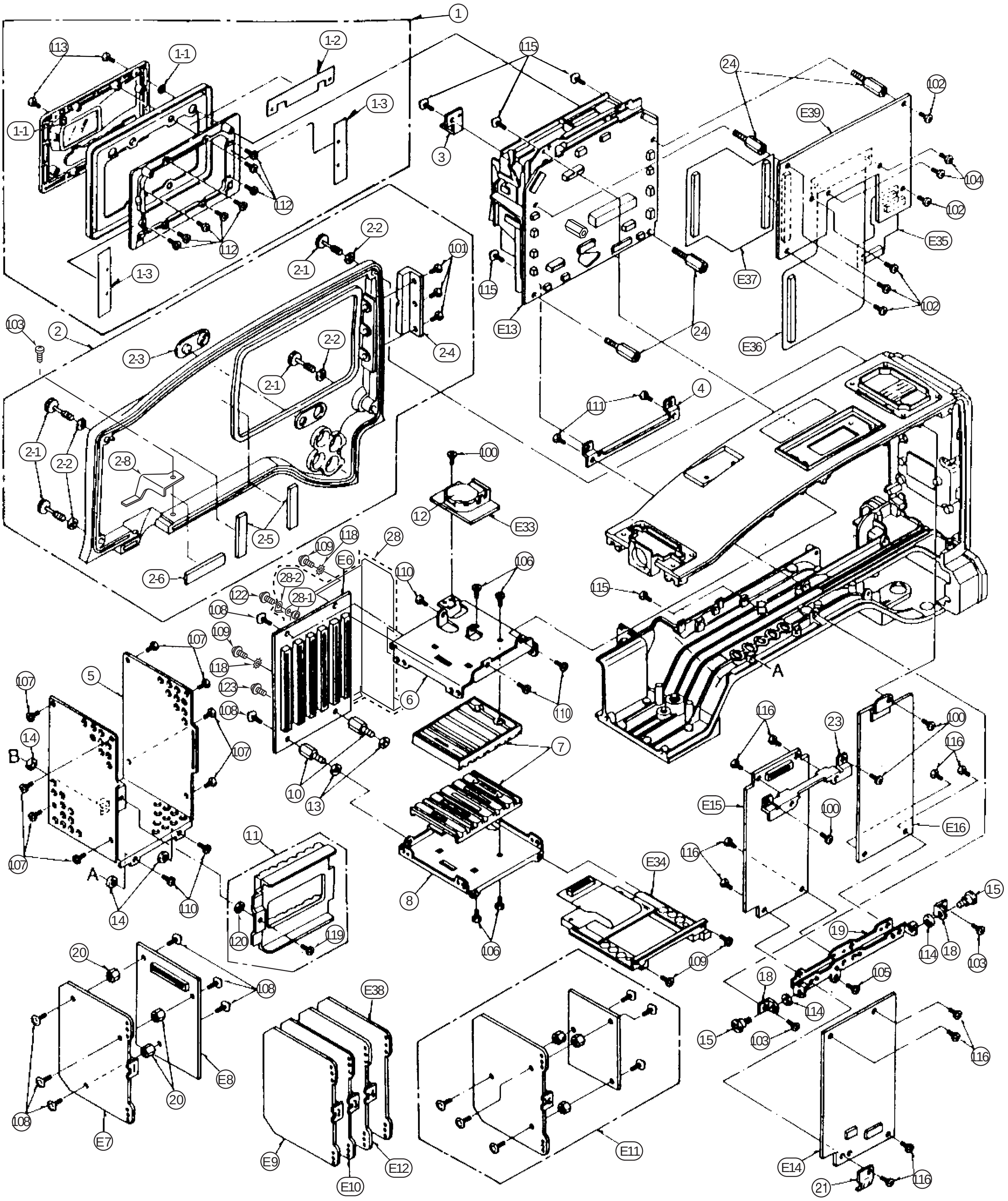
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VKF2997	MOUNT CAP	1	
2	VDW0836	MOUNT RING	1	
3	VGU9192	MOUNT RING KNOB	1	
4	VMA0N88	PIN GUIDE	1	
5	VMG0948	EVF RUBBER SHIELD	1	
6	VGU8467	FILTER KNOB	1	
8	VKF2485	FRONT DOOR	1	
9	VMC1210	FRONT DOOR SPRING	1	
10	VMP4850	FRONT DOOR ANGLE	1	
11	VMS4088	FRONT DOOR ANGLE PIN	1	
12	VGU8140	VTR START KNOB	1	
13	VJF1256	CABLE CLAMPER	2	
14	VYK9401	FRONT CASE (1) ASS'Y	1	
15	VMG0646	WATERPROOF SW INSULATION SH	2	
16	VMT0738	SW INSULATION CUSHION	2	
17	VMP4839	SW HOLDER ANGLE	1	
18	VST0195	SWITCH	2	K0E132A00003 SW1
19	VWJ18XW065T1	FLAT CABLE	2	
20	VJF1091	ONE TUCH BUSHING	1	
21	VMP5415	LENS BRACKET (UPPER)	1	
22	VMP5416	LENS BRACKET (LOWER)	1	
23	VSC5053	SHIELD CASE	1	
24	VMX2527	P.C.B SPACER	4	
25	VMX2534	P.C.B. SPACER PIN	4	K9ZZ00000700
26	VGH4062	VR KNOB CAP A	1	
27	VGU8321	VR KNOB	1	
28	VST0194	SWITCH	1	K0E132A00002 SW2
29	VEQ2928	HEAD OPTICAL ASS'Y	1	FOR AJ-D610WBP
29	VEQ2929	HEAD OPTICAL ASS'Y	1	FOR AJ-D610WBE/MC
31	VMZ2906	LCD BARRIER	1	
32	VSC4478	50P CABLE SHIELD PLATE	1	
33	VMZ2799	RF BARRIER	1	
34	VMP5685	GUIDE ANGLE	1	
35	VKC0561	HINGE (B)	1	
36	VGU7688	SLIDE SW COVER	9	
37	VMG1085	RAIN COVER RUBBER	9	
38	VGU7700	OPERATION BUTTON	1	
39	VGU7077	VR KONB A	2	
40	VGU8129	VR KNOB	2	
41	VEK8349	SPEAKER ASS'Y	1	
42	VMG1140	RAIN COVER SPONGE	4	
43	VEE9427	FLAT CABLE	1	K1PB50A00021
44	VYP7590	SIDE CASE (R) 1 ASS'Y	1	
45	VMC1209	DOOR SPRING	1	
46	VDB1559	DOOR SUPPORT BASE (B)	1	
47	VMG1231	RAIN COVER PACKING	1	
48	VKF3196	OPERATION DOOR (B)	1	
49	VMS5505	ROLLER SHAFT	4	
50	VDB1558	DOOR SUPPORT BASE (A)	1	
51	VYF2669	OPERATION DOOR ASS'Y	1	
52	VEE0L09	ECU CABLE	1	
53	VGU7696	SHUTTER BUTTON (+)	1	
54	VGU7697	SHUTTER BUTTON (-)	1	
55	VMG1092	RAIN COVER RUBBER (A)	2	
56	VMG1094	ECU CAP	1	
57	VMT1107	FACE PAT	1	
58	VMG1096	VR RAIN COVER PACKING	2	
59	VGU7698	OPERATION BUTTON	3	
60	VMG1418	RAIN COVER RUBBER (B)	3	
61	VGK2705	TOGGLE SW PLATE	1	
62	VKF3200	SLIDE DOOR	1	
63	VYP8112	OPERATION PANEL ASS'Y	1	
64	VGU8130	SLIDE SW COVER	4	
65	VMP5578	SLIDE SW ANGLE	1	
66	VJF1034	CLAMPER	1	
67	VMX2715	WASHER	5	
68	VMX1558	NYLON WASHER	4	
69	VYQ2356	FILTER HOUSING ASS'Y	1	FOR AJ-D610WBP
69	VYQ2357	FILTER HOUSING ASS'Y	1	FOR AJ-D610WBE/MC
71	VLF1446	FERRITE CORE	2	J0KD00000018
⚠ 72	VLP0120	FERRITE CORE	1	
73	VMG1323	WATERPROOF RUBBER	1	
74	VMZ3081	INSULATION SHEET	1	
75	VMT0963	GASKET (A)	1	
76	VXQ0942	OPTICAL LPF ASS'Y	1	
100	XYN3+K6RS	SCREW	15	
101	XYN3+K8	SCREW	1	
102	XYN26+K6FR	SCREW	2	
103	XSB3+6FR	SCREW	2	
104	XTN26+6J	SCREW	1	
105	XQN26+A4	SCREW	2	
106	XTN3+6G	SCREW	5	
107	XSB3+10VZ	SCREW	4	
108	XYN3+C6	SCREW	12	
109	XYN26+K6	SCREW	5	
110	XSB2+4FZ	SCREW	2	
111	XSB3+10FCK	SCREW	4	
112	XYN2+C4	SCREW	1	
113	XYN3+C4	SCREW	4	
114	XQS2+A4FN	SCREW	3	
115	XQS2+A4FZ	SCREW	3	
116	XSS3+6	SCREW	4	
117	XQN2+A4FZ	SCREW	1	
118	XWGV28Y8G	WASHER	1	
119	XSB26+5	SCREW	5	
120	XXEV26W3FP	SCREW	2	
E2	VEP25016V	CDS P.C.BOARD	1	FOR AJ-D610WBP
E2	VEP25016U	CDS P.C.BOARD	1	FOR AJ-D610WBE/MC
E3	VEP20768H	CCD PULSE P.C.BOARD	1	FOR AJ-D610WBP
E3	VEP20768F	CCD PULSE P.C.BOARD	1	FOR AJ-D610WBE/MC
E4	VEP23486L	PRE PROCESS P.C.BOARD	1	FOR AJ-D610WBP
E4	VEP23486G	PRE PROCESS P.C.BOARD	1	FOR AJ-D610WBE/MC
E5	VEP00Z61A	CAMERA FLEX P.C.BOARD	1	
E18	VEP00Z35A	POWER SW P.C.BOARD	1	
E19	VEP00Z30A	ALARM/MONITOR P.C.BOARD	1	
E20	VEP00Z31A	TOGGLE SW P.C.BOARD	1	
E21	VEP00Z32A	VAR SHUTTER P.C.BOARD	1	
E22	VEP00Z33A	SUPER IRIS P.C.BOARD	1	
E23	VEP00Z34A	PIX LINK P.C.BOARD	1	
E24	VEP04727B	AUDIO LCD P.C.BOARD	1	
E27	VEP20537A	FRONT TOGGLE P.C.BOARD	1	
E28	VEP20538A	FRONT P.C.BOARD	1	

FRAME ASSEMBLY (3)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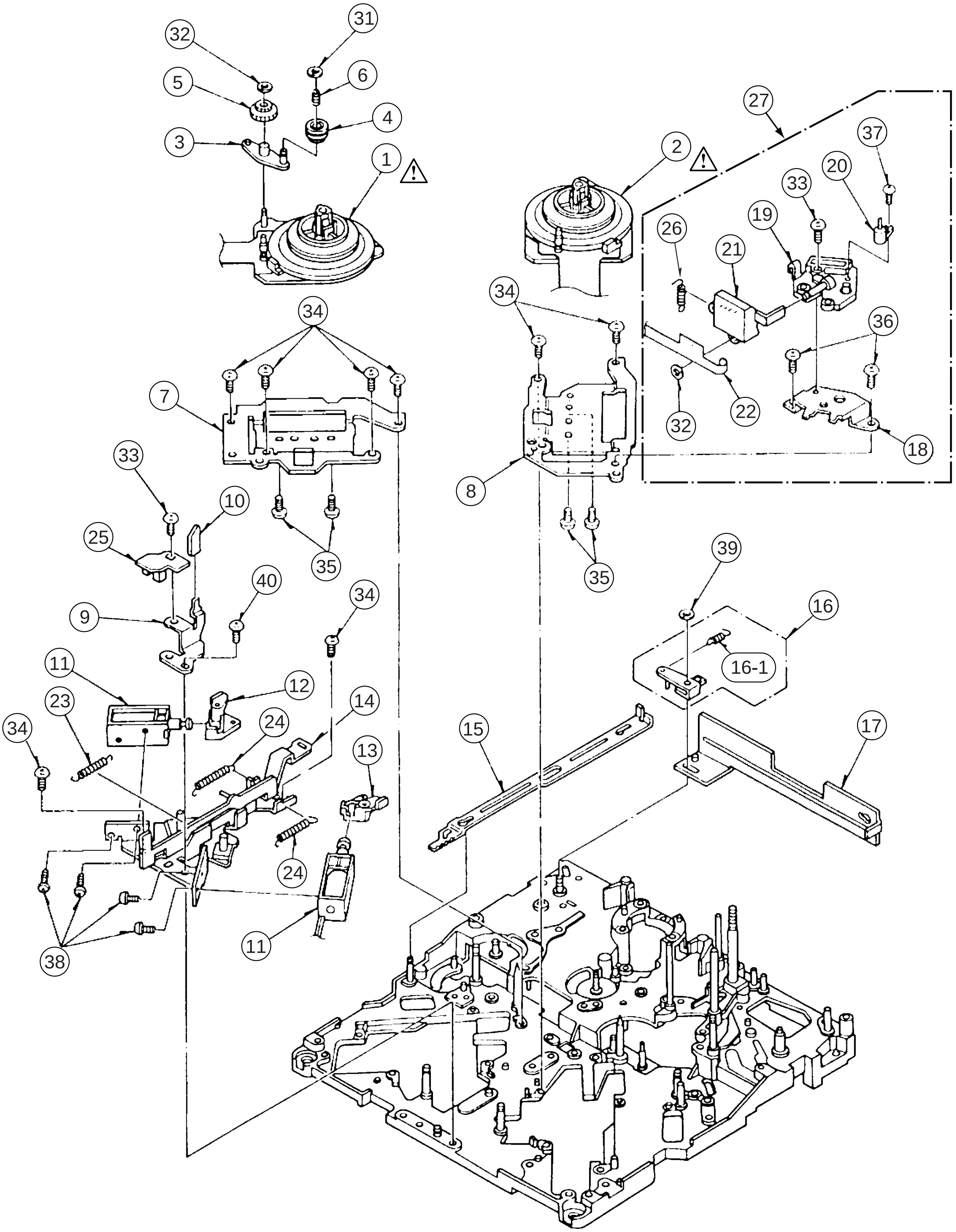
FRAME ASSEMBLY (3)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYF2517	CASETTE COVER ASS'Y	1	FOR AJ-D610WBP
1	VYF2667	CASSETTE COVER ASS'Y	1	FOR AJ-D610WBE/MC
1-1	VMX2605	WASHER	2	
1-2	VSC4976	CONDUCTIVE SHEET (A)	1	
1-3	VSC4977	CONDUCTIVE SHEET (B)	2	
2	VYP7586	SIDE CASE (L) ASS'Y	1	FOR AJ-D610WBP
2	VYP7587	SIDE CASE (L) ASS'Y	1	FOR AJ-D610WBE/MC
2-1	VHD0820	SCREW	4	
2-2	VMX1090	SPACER	4	
2-3	VMG0953	E-E CAP	1	
2-4	VMG1099	PROTECT RUBBER	1	
2-5	VMG1180	CUSHION 2	2	
2-6	VMG1181	CABLE HOLD RUBBER	1	
2-8	VGF0757	SHIELD PLATE	1	
3	VMP5740	CONNECTOR ANGLE	1	
4	VMP5587	MECHA HOLD ANGLE	1	
5	VMP4842	P.C.BOARD BOX	1	
6	VMP5580	P.C.BOARD BOX	1	
7	VGQ4727	GUIDE RAIL	2	
8	VMP4844	LOWER P.C.BOARD BOX	1	
10	VMS6278	P.C.B. POST	2	
11	VXA6121	P.C.B. SUPPORT ANGLE	1	
12	CR2032	BATTERY	1	
13	VMX1223	LED SPACER	2	
14	VMX2606	SPACER	3	
15	VHD0325	SCREW	2	
18	VMP4841	ROTALLY ANGLE	2	
19	VXA6113	ROTALLY ANGLE ASS'Y	1	
20	VMS4913	P.C.BOARD SPACER	3	
21	VMP5189	EARTH PLATE	1	
23	VMP5589	P.C.B. ANGLE (UPPER)	1	
24	K9ZZ00000609	SPACER	4	
28	VXA6587	SHIELD PLATE ASS'Y	1	FOR AJ-D610WBE/MC
28-1	VMX2606	SPACER	2	FOR AJ-D610WBE/MC
28-2	VSC4887	EARTH HOLD ANGLE	2	FOR AJ-D610WBE/MC
100	XYN3+K6RS	SCREW	4	
101	XSB3+6FZ	SCREW	3	
102	XYN26+K6	SCREW	5	
103	XYN3+C6	SCREW	3	
104	XYN26+C35	SCREW	2	
105	XYN3+C8FR	SCREW	1	
106	XTV26+6G	SCREW	4	
107	XYN3+C4	SCREW	8	
108	XYN3+K5	SCREW	8	
109	XYN3+C5	SCREW	4	
110	XYN3+C8	SCREW	5	
111	XYN3+C6FZ	SCREW	2	
112	XTB26+6GFZ	SCREW	8	
113	XSB26+12FZ	SCREW	2	
114	XWGV4Y9G	WASHER	2	
115	XYN3+K10	SCREW	5	
116	XTV3+6F	SCREW	10	
118	XWC3B	WASHER	2	
119	XYN3+F8R	SCREW	1	
120	VMX1558	WASHER	1	
122	XSB3+8	SCREW	1	
123	XSB3+6S	SCREW	1	
E6	VEP00Z41G	MOTHER P.C.BOARD	1	FOR AJ-D610WBP
E6	VEP00Z41H	MOTHER P.C.BOARD	1	FOR AJ-D610WBE/MC
E7	VEP26240G	CAMERA SYSCON P.C.BOARD	1	FOR AJ-D610WBP
E7	VEP26240E	CAMERA SYSCON P.C.BOARD	1	FOR AJ-D610WBE/MC
E8	VEP23487G	DSP MAIN P.C.BOARD	1	FOR AJ-D610WBP
E8	VEP23487H	DSP MAIN P.C.BOARD	1	FOR AJ-D610WBE/MC
E9	VEP23484C	CAMERA ENCODER P.C.BOARD	1	FOR AJ-D610WBP
E9	VEP23484B	CAMERA ENCODER P.C.BOARD	1	FOR AJ-D610WBE/MC
E10	VEP23480G	CAMERA SYNC P.C.BOARD	1	FOR AJ-D610WBP
E10	VEP23480F	CAMERA SYNC P.C.BOARD	1	FOR AJ-D610WBE/MC
E11	VEP03E84E	VIDEO I/F P.C.BOARD	1	FOR AJ-D610WBP
E11	VEP03E84D	VIDEO I/F P.C.BOARD	1	FOR AJ-D610WBE/MC
E12	VEP06C45M	VTR SYSCON P.C.BOARD	1	FOR AJ-D610WBP
E12	VEP06C45K	VTR SYSCON P.C.BOARD	1	FOR AJ-D610WBE/MC
E13	VEP82219C	SERVO P.C.BOARD	1	
E14	VEP03E42A	RF P.C.BOARD	1	
E15	VEP83377G	VIDEO P.C.BOARD	1	FOR AJ-D610WBP
E15	VEP83377F	VIDEO P.C.BOARD	1	FOR AJ-D610WBE/MC
E16	VEP81180E	POWER P.C.BOARD	1	FOR AJ-D610WBP
E16	VEP81180F	POWER P.C.BOARD	1	FOR AJ-D610WBE/MC
E33	VEP80A73A	BACKUP BATTERY P.C.BOARD	1	
E34	VEP86266A	MEMORY CARD FLEX P.C.B.	1	
E35	VEP80A66A	INT JACK FLEX P.C.BOARD	1	
E36	VEP80A67A	INT V MAIN FLEX P.C.BOARD	1	
E37	VEP80A68A	INT MOTHER FLEX P.C.BOARD	1	
E38	VEP80A69A	BYPASS P.C.BOARD	1	
E39	VEP80A65B	INT CONNECT P.C.BOARD	1	

MECHANICAL CHASSIS ASSEMBLY (1)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



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MECHANICAL CHASSIS ASSEMBLY (1)

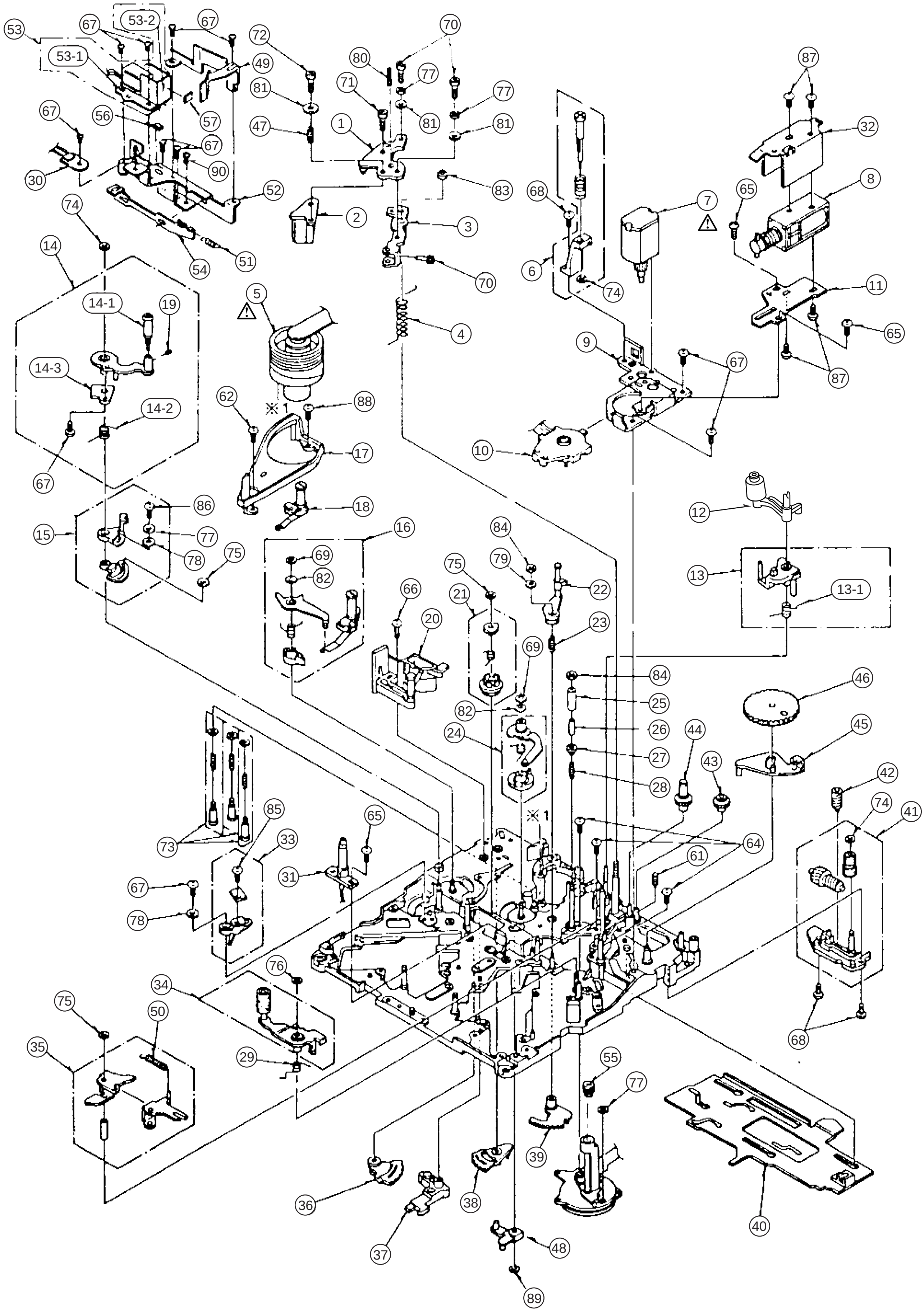
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEM0629	S REEL MOTOR ASS'Y	1	(M)
⚠ 2	VEM0630	T REEL MOTOR ASS'Y	1	(M)
3	VXL2614	IDLER ARM ASS'Y	1	
4	VXP1700	IDLER GEAR ASS'Y	1	
5	VDG1189	IDLER GEAR A	1	
6	VMB3011	IDLER SPRING	1	
7	VMA9399	S SIDE M STOPPER	1	
8	VMA9372	T SIDE M STOPPER	1	
9	VMA9400	M LOCK/RELEASE	1	
10	VMD2588	BRAKE RELEASE	1	
11	VSJ0216	SOLENOID	2	(M)
12	VXL2705	M CASSETTE BRAKE (S)A ASS'Y	1	
13	VXL2706	M CASSETTE BRAKE (T)A ASS'Y	1	
14	VXA5582	M CASSETTE BRAKE BASE ASS'Y	1	
15	VML3097	CONNECTION ARM A	1	
16	VXL2615C	CONNECTION ARM B	1	
16-1	VMB2973	ARM RELEASE SPRING	1	
17	VXL2653C	CONNECTION ARM C ASS'Y	1	
18	VMD2536	M SWITCH BASE	1	
19	VXA5633C	M SWITCH BASE (1) ASS'Y	1	
20	VSS0510	REC INHIBIT SWITCH	1	
21	VSS0509	MIC CONNECTOR	1	
22	VWJ1074	MIC FPC	1	
23	VMB3168	LOCK SPRING	1	
24	VMB3080	M CASSETTE BRAKE SPRING	2	
25	VEK7694C	CASSETTE DOWN PHOTO ASS'Y	1	
26	VMB2958	SPRING	1	
27	VXA5583C	M SENSOR SW BASE ASS'Y	1	
31	VMX2391	CUT WASHER	1	
32	VMX1061	WASHER	2	
33	XQN2+A3	SCREW	2	
34	XQN2+CF3	SCREW	8	
35	XQN2+AG4	SCREW	4	
36	XQN2+CF4	SCREW	2	
37	XQN2+CJ5	SCREW	1	
38	XQN2+A1.5	SCREW	4	
39	VMX0967	CUT WASHER	1	
40	XQN2+CF4	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.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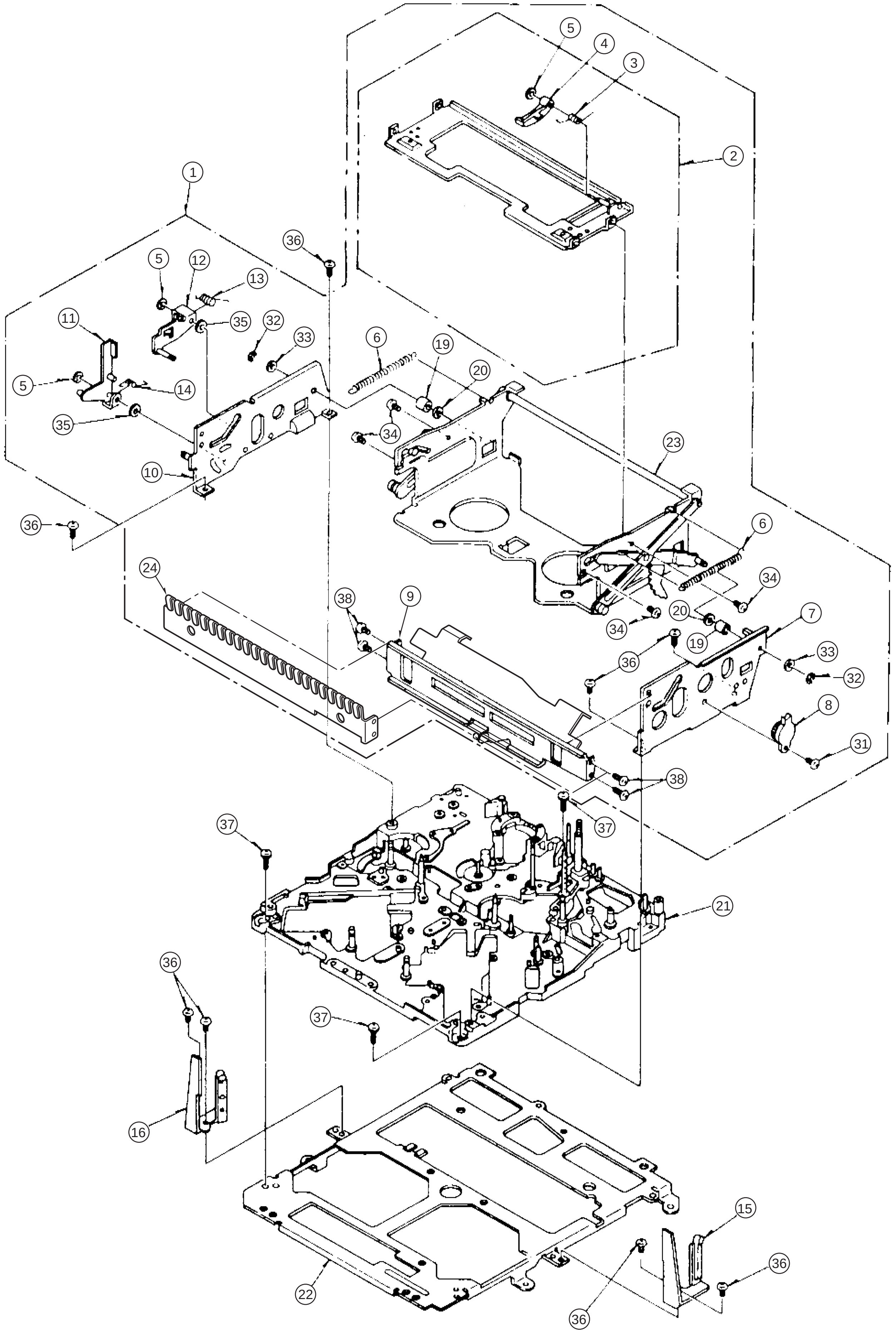
MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
⚠ 5	VEG1498	CYLINDER UNIT	1	
6	VXA5715C	SHAFT HOLDER ASS'Y	1	
⚠ 7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	(M)
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	(M)
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2831	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1761	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791C	TENSION REG. SPRING HOOK	1	
16	VXL2709	S1 LOADING ARM ASS'Y	1	(M)
17	VMD3731	LOADING RAIL	1	
18	VXA6378	T1 BOAT ASS'Y	1	(M)
19	VHD0561	HEX SCREW	1	
20	VXA7361	S POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2950	T4 THRUST SPRING	1	
24	VXL2952	T LOADING ARM ASS'Y	1	
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK7691	LED HOLDER P.C.BOARD	1	
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR AS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	(M)
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL2838C	TENSION REG. GUIDE ARM	1	
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1443	EMARGENCY GEAR A	1	
44	VDG1444	MOTOR EMARGENCY GEAR B	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
48	VXL2600C	EJECT ARM ASS'Y	1	
49	VMD3475	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6077C	CLEANER BASE 1 ASS'Y	1	
53	VXA7382C	CLEANER SOLENOID ASS'Y	1	
53-1	VSJ0226	CLEANER SOLENOID	1	(M)
53-2	VMA9877	CLEANER SOLENOID BASE	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VXQ0556	THRUST SCREW ASS'Y	1	(M)
56	VMT0871	SILENCER A	1	
57	VMT0872	SILENCER B	1	
61	VHD0356	SCREW	1	
62	XQN2+A3	SCREW	1	
64	XQN2+A35FZ	SCREW	3	
65	XQN2+AM2	SCREW	3	
66	XQN2+AM4	SCREW	1	
67	XQN2+CF3	SCREW	11	
68	XQN2+CF4	SCREW	3	
69	XUC12FP	E-RING	2	
70	XVE2B4FZ	HEX SCREW	3	
71	XVE2B6FP	HEX SCREW	1	
72	XVE2B12FP	HEX SCREW	1	
73	VXQ0439	SCREW	3	
74	VMX0967	CUT WASHER	3	
75	VMX1061	WASHER	3	
76	VMX1079	CUT WASHER	1	
77,78	XWA2B	WASHER	6	
79	XWE16VW	WASHER	1	
80	XXE2A6FP	HEX SCREW	1	
81	XWG2	WASHER	3	
82	XWGV15Z32G	WASHER	2	
83	VHD0045	NYLON NUT	1	
84	VHN0312	NUT	2	
85	XQN2+AQ3.5FZ	SCREW	1	
86	XQN2+AJ5	SCREW	1	
87	XQN2+A1.5	SCREW	4	
88	XQN2+A4	SCREW	1	
89	VMX0967	CUT WASHER	1	
90	XYN2+K4	SCREW	1	
*	VXY1541	MECHANISM ASS'Y	1	(M)FOR AJ-D610WBP
*	VXY1573	MECHANISM ASS'Y	1	(M)FOR AJ-D610WBE/MC

CASSETTE COMPARTMENT ASSEMBLY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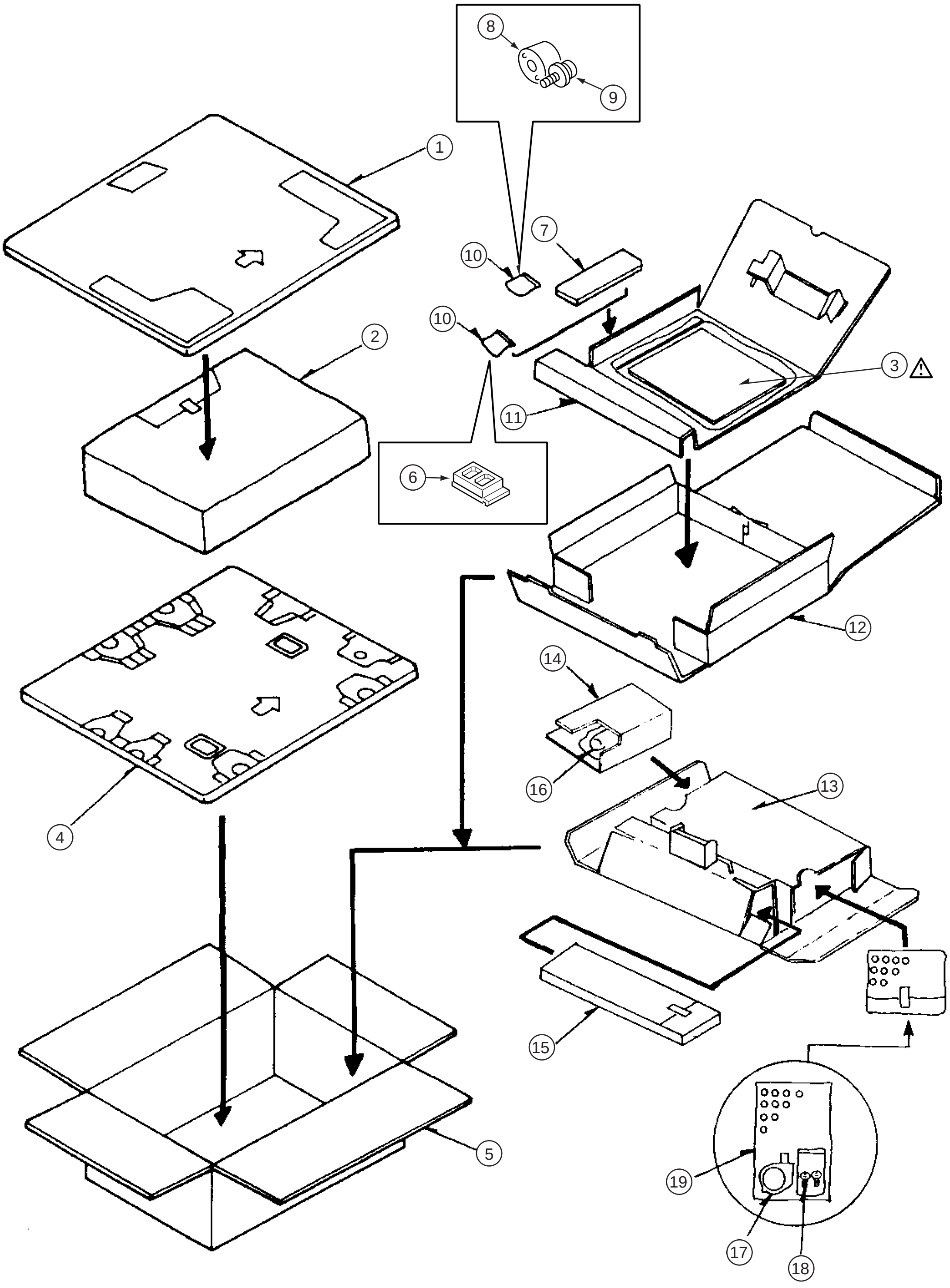
CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA6753	CASSETTE COMPATRMAENT	1	(M)
2	VXA6362	TOP PLATE ASS'Y	1	
3	VMC1290	CASSETTE PRESSURE SPRING	1	
4	VML3100	ADAPTOR STOPPER	1	
5	VMX0967	CUT WASHER	3	
6	VMB2982	SPRING	2	
7	VXA6050	SIDE PLATE (R)(1) ASS'Y	1	
8	VDG0387	DUMPER	1	
9	VXA6365	BACK PLATE ASS'Y	1	
10	VXA6367	SIDE PLATE (L)(1) ASS'Y	1	
11	VXL2896	RATCHET LOCK LEVER ASS'Y	1	
12	VXL2740	RATCHET ARM	1	
13	VMB2961	SPRING	1	
14	VMB3025	SPRING	1	
15	VXA5632C	T RECEIVER ANGLE ASS'Y	1	
16	VXA5631C	S RECEIVER ANGLE ASS'Y	1	
19	VDP0967	MAIN ARM ROLLER	2	
20	XWGV4Y6G	WASHER	2	
21	VXK1332	MECHANISM CHASSIS	1	
22	VMA9379	SUB CHASSIS	1	
23	VXA6368	CASSETTE HOLDER ASS'Y	1	
24	VSC5083	SHIELD ANGLE	1	
31	XYN2+C8	SCREW	1	
32	XUC2FP	E-RING	2	
33	XWGV3Y5G	WASHER	2	
34	XQN14+A3	SCREW	4	
35	XWGV2Y4G	WASHER	2	
36	XQN2+CF3	SCREW	8	
37	XYN3+C5	SCREW	3	
38	XQN2+A2	SCREW	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING PARTS ASSEEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.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PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYQ1589	CUSHION (U)	1	
2	VPF0230	POLYETHYLENE BAG	1	FOR AJ-D610WBP
2	VPF0677	POLYETHYLENE BAG	1	FOR AJ-D610WBE/MC
⚠ 3	VQT9597	OPERATING INSTRUCTIONS	1	FOR AJ-D610WBP
⚠ 3	VQT9599	OPERATING INSTRUCTION	1	FOR AJ-D610WBE
⚠ 3	VQT9600	OPERATING INSTRUCTIONS	1	FOR AJ-D610WBMC
4	VYQ1892	CUSHION (B)	1	
5	VPG0M99	PACKING CASE	1	FOR AJ-D610WBP
5	VPG0N00	PACKING CASE	1	FOR AJ-D610WBE
5	VPG0N01	PACKING CASE	1	FOR AJ-D610WBMC
6	VEJ1672	BATTERY ADAPTOR ASS'Y	1	
7	VFC2588	SHOULDER BELT	1	
8	VGU8322	KNOB	1	
9	XYN2+J6FZ	SCREW	1	
10	VPF1016	POLYETHYLENE BAG	2	
11	VPK2298	ACCESSORY BOX (B)	1	
12	VPK2280	ACCESSORY BOX (A)	1	
13	VPK2312	ACCESSORY BOX (C)	1	
14	VPK2313	ACCESSORY BOX (D)	1	
15	VFB0207	TRIPOD ADAPTER	1	
16	L0FBBB000002	MICROPHONE	1	FOR AJ-D610WBP
16	L0FBBB000001	MICROPHONE	1	FOR AJ-D610WBE/MC
17	VYC0814KIT	MIC HOLDER ASS'Y	1	
18	XSB4+12FXKS	SCREW	2	
19	VPF0890	POLYETHYLENE BAG (2)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

CABLE LIST

NUMBER	CONNECTION BETWEEN			
	P.C.B. NAME	CONNECTOR NUMBER	P.C.B. NAME	CONNECTOR NUMBER
VEE0B24	FRONT TOGGLE	P2	CC FILTER	---
VEE0D23	MOTHER	P9622	VIDEO MAIN	P3
VEE0D26	MOTHER	P9623	LI BATTERY	---
VEE0D29	AUDIO LCD	P4003	ALARM MONITOR	P9101
			VAR SHUTTER	P9801
VEE0D30	AUDIO LCD	P6501	TOGGLE SW	P9301
			POWER SW	P9601
			SUPER IRIS	P9701
			PIX LINK SW	P9501
VEE0D31	MOTHER	P9610	LENS	---
VEE0D33	MOTHER	P9620	BNC	P1
			BNC	P2
VEE0D34	POWER	P1002	INT CONNECT	P9805
VEE0D35	REAR JACK		ANTON BATTRY	---
VEE0D47	MOTHER	P9611	ANTON BATTRY	P9807
VEE0D48	MOTHER	P9617	26P CONNECTOR	(26P)
VEE0E18	MOTHER	P9616	CONNECTOR	P1006
VEE0F15	REAR JACK	P1012	AUDIO OUT	---
VEE0G49	MOTHER	P6913	EVF	---
	MOTHER	P9612		
VEE0G69	MOTHER	P9618	26P CONNECTOR	(RET)
VEE0K47	PRE AMP	P3001	CCD	R.G.B.
VEE0K48	PRE AMP	P3003	PRE PROCESS	P1
VEE0K49	MOTHER	P9609	PRE PROCESS	P2
VEE0L08	MOTHER	P9614	OPERATE	P501
VEE0L09	AUDIO LCD	P4004	ECU	---
VEE9402	INT CONNECTOR	P9807	HEAD PHONE	---
VEE9403	FRONT TOGGLE	P3	FRONT	P1
VEE9413	REAR JACK	P1008	DC OUT	---
VEE9417	OPERATE	J1,J2	CONNECTOR	---
VEE9418	BACK TALLY	J1,J2	CONNECTOR	---
VEE9421	CONNECTOR	P1006	VIDEO OUT	BNC
VEE9423	REAR JACK	P1007	DC INPUT	---
VEE9425	REAR JACK	P1004	FRONT MIC	P2
VEE9436	REAR JACK	P1010	POWER	P1001
			SERVO	P617
VEE9437	MOTHER	P9621	REAR JACK	P1009
VEE9565	REAR JACK	P1003	A/C HEAD	---
VEE9923	AUDIO LCD	P4005	SPEAKER	---
VWJ18XW065T1				

ELECTRICAL REPLACEMNT PARTS LIST (AJ-D610WBP)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20775A	CCD SENSOR P.C.BOARD	1	(RTL)
■ E2	VEP25016V	CDS P.C.BOARD	1	(RTL)
■ E3	VEP20768H	CCD PULSE P.C.BOARD	1	(RTL)
■ E4	VEP23486L	PRE PROCESS P.C.BOARD	1	(RTL)
■ E5	VEP00Z61A	CAMERA FLEX P.C.BOARD	1	(RTL)
■ E6	VEP00Z41G	MOTHER P.C.BOARD	1	(RTL)
■ E7	VEP26240G	CAMERA SYSCON P.C.BOARD	1	(RTL)
■ E8	VEP23487G	DSP MAIN P.C.BOARD	1	(RTL)
■	VEP23495A	DSP SUB P.C.BOARD	1	(RTL)FOR VEP23487G
■ E9	VEP23484C	CAMERA ENCODER P.C.BOARD	1	(RTL)
■	VEP23451A	ENC CHARA P.C.BOARD	1	(RTL)FOR VEP23484C
■	VEP23493A	ENC SUB P.C.BOARD	1	(RTL)FOR VEP23484C
■ E10	VEP23480G	CAMERA SYNC P.C.BOARD	1	(RTL)
■	VEP23490A	CAMERA SYNC SUB P.C.BOARD	1	(RTL)FOR VEP23480G
■ E11	VEP03E84E	VIDEO IF P.C.BOARD	1	(RTL)
■	VEP03E85E	FIDEO IF SUB P.C.BOARD	1	(RTL)FOR VEP03E84E
■ E12	VEP06C45M	SYSCON P.C.BOARD	1	(RTL)
■ E13	VEP82219C	SERVO P.C.BOARD	1	(RTL)
■ E14	VEP03E42A	RF P.C.BOARD	1	(RTL)
■ E15	VEP83377G	VIDEO P.C.BOARD	1	(RTL)
■	VEP83519A	VIDEO PLL P.C.BOARD	1	(RTL)FOR VEP83377G
■	VEP88234AJ	DV UCOM P.C.BOARD	1	(RTL)FOR VEP83377G
■	VEP83439A	CLS AUX P.C.BOARD	1	(RTL)FOR VEP83377G
■ E16	VEP81180E	POWER P.C.BOARD	1	(RTL)
■ E17	VEP01850B	REAR JACK P.C.BOARD	1	(RTL)
■ E18	VEP00Z35A	POWER SW P.C.BOARD	1	(RTL)
■ E19	VEP00Z30A	ALARM/MONITOR P.C.BOARD	1	(RTL)
■ E20	VEP00Z31A	TOGGLE SW P.C.BOARD	1	(RTL)
■ E21	VEP00Z32A	VAR SHUTTER P.C.BOARD	1	(RTL)
■ E22	VEP00Z33A	SUPER IRIS P.C.BOARD	1	(RTL)
■ E23	VEP00Z34A	PIX LINK P.C.BOARD	1	(RTL)
■ E24	VEP04727B	AUDIO LCD P.C.BOARD	1	(RTL)
■ E25	VEP00W08B	HEAD PHONE P.C.BOARD	1	(RTL)
■ E26	VEP00X87A	DC INPUT P.C.BOARD	1	(RTL)
■ E27	VEP20537A	FRONT TOGGLE P.C.BOARD	1	(RTL)
■ E28	VEP20538A	FRONT P.C.BOARD	1	(RTL)
■ E29	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
■ E30	VEP80858A	BACK TALLY LED P.C.BOARD	1	(RTL)
■ E31	VEP80A14E	FRONT MIC P.C.BOARD	1	(RTL)
■ E32	VEP80A33A	BNC P.C.BOARD	1	(RTL)
■ E33	VEP80A73A	BACK UP BATTERY P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E34	VEP86266A	MEMORY CARD FLEX P.C.B.	1	(RTL)
■ E35	VEP80A66A	REAR FLEX P.C.BOARD	1	(RTL)
■ E36	VEP80A67A	VIDEO FLEX P.C.BOARD	1	(RTL)
■ E37	VEP80A68A	MAIN FLEX P.C.BOARD	1	(RTL)
■ E38	VEP80A69A	BYPASS P.C.BOARD	1	(RTL)
■ E39	VEP80A65B	INT CONNECT P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20775A	CCD SENSOR P.C.BOARD	1	(RTL)
C1	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	F1J1E104A082
C2	EEUFC1C331	E.CAPACITOR 16V 330U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C5	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C7	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C10-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C16	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C17,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C19	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C21	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C29	EEUFC0J561	E.CAPACITOR 6.3V 560U	1	
C30	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C31-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C39	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C40,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C42	EEUFC1C331	E.CAPACITOR 16V 330U	1	
C43	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C44	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C101	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	F1J1E104A082
C102	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C105	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C107	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C110-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C116	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C117,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C119	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C120	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C121	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C123	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C124	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C142	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C143	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C201	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	F1J1E104A082
C202	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C203	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C204	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C205	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C207	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C216	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C221	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C224	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C226	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C242	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C243	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
D1	MA142K	DIODE	1	
D5	MA142K	DIODE	1	
D101	MA142K	DIODE	1	
D201	MA142K	DIODE	1	
IC2,C3	UPD16510GR	IC	2	
IC4,C5	C0JBAB000196	IC	2	
IC102,03	UPD16510GR	IC	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC104	C0JBAB000196	IC	1	
IC202,03	UPD16510GR	IC	2	
IC204	C0JBAB000196	IC	1	
L1,L2	VLP0352	FERRITE CORE	2	
L101	VLP0352	FERRITE CORE	1	
L201	VLP0352	FERRITE CORE	1	
P1,P2	VJS2907D018	CONNECTOR (FEMALE)	2	K1MN18B00009
Q1	2SC3356-B	TRANSISTOR	1	
Q2	2SD601A-R	TRANSISTOR	1	
Q101	2SC3356-B	TRANSISTOR	1	
Q102	2SD601A-R	TRANSISTOR	1	
Q201	2SC3356-B	TRANSISTOR	1	
Q202	2SD601A-R	TRANSISTOR	1	
R1	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R5	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R7	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R11-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R14	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R17	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R20	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R22,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R25-31	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	7	
R32	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R34,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R101	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R103	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R104	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R105	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R106	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R112,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R114	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R115	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R120	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R128-31	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R134,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R201	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R206	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R207	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R208	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R212,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R214	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R215	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R220	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R228-31	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R234,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
■ E2	VEP25016V	CDS P.C.BOARD	1	(RTL)
C3004	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3005	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3006	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3007	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3101	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3102	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3103,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3105	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3106,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3109	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3111	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3112	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3114	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C3116	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3118	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3201	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3202	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3203,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3205	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3206,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3208	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3209	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3211	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3212	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3214	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	
C3216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3218	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3301	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3302	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3303,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3305	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3306,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3308	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3309	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3311	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3312	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3314	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	
C3316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
D3001	MA3047M	DIODE	1	
D3102	MA151K	DIODE	1	
D3202	MA151K	DIODE	1	
D3302	MA151K	DIODE	1	
D3304	MA2C70000F	DIODE	1	MA2C700
IC3001	NJM431U	IC	1	C0DBEZC00003
IC3002	NJM2904M	IC	1	
P3001	VJP4395B006	CONNECTOR (MALE)	1	
P3002	VJP3550B014	CONNECTOR (MALE)	1	
P3003	VJP4395B006	CONNECTOR (MALE)	1	
Q3001	2SB956	TRANSISTOR	1	
Q3101	2SA1022-C	TRANSISTOR	1	
Q3102	3SK157J15	TRANSISTOR	1	
Q3103	2SC2295-C	TRANSISTOR	1	
Q3104	2SA1022-C	TRANSISTOR	1	
Q3105	3SK157J15	TRANSISTOR	1	
Q3106	2SC2295-C	TRANSISTOR	1	
Q3107	2SA1022-C	TRANSISTOR	1	
Q3108	3SK157J15	TRANSISTOR	1	
Q3109	2SC2295-C	TRANSISTOR	1	
Q3110	2SA1022-C	TRANSISTOR	1	
Q3111	3SK157J15	TRANSISTOR	1	
Q3112	2SC2295-C	TRANSISTOR	1	
Q3113	2SA1022-C	TRANSISTOR	1	
Q3114	3SK157J15	TRANSISTOR	1	
Q3115-20	2SC2295-C	TRANSISTOR	6	
Q3121,22	2SA1226E34	TRANSISTOR	2	
Q3123	2SB710A-R	TRANSISTOR	1	
Q3201	2SA1022-C	TRANSISTOR	1	
Q3202	3SK157J15	TRANSISTOR	1	
Q3203	2SC2295-C	TRANSISTOR	1	
Q3204	2SA1022-C	TRANSISTOR	1	
Q3205	3SK157J15	TRANSISTOR	1	
Q3206	2SC2295-C	TRANSISTOR	1	
Q3207	2SA1022-C	TRANSISTOR	1	
Q3208	3SK157J15	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3209	2SC2295-C	TRANSISTOR	1	
Q3210	2SA1022-C	TRANSISTOR	1	
Q3211	3SK157J15	TRANSISTOR	1	
Q3212	2SC2295-C	TRANSISTOR	1	
Q3213	2SA1022-C	TRANSISTOR	1	
Q3214	3SK157J15	TRANSISTOR	1	
Q3215-20	2SC2295-C	TRANSISTOR	6	
Q3221,22	2SA1226E34	TRANSISTOR	2	
Q3301	2SA1022-C	TRANSISTOR	1	
Q3302	3SK157J15	TRANSISTOR	1	
Q3303	2SC2295-C	TRANSISTOR	1	
Q3304	2SA1022-C	TRANSISTOR	1	
Q3305	3SK157J15	TRANSISTOR	1	
Q3306	2SC2295-C	TRANSISTOR	1	
Q3307	2SA1022-C	TRANSISTOR	1	
Q3308	3SK157J15	TRANSISTOR	1	
Q3309	2SC2295-C	TRANSISTOR	1	
Q3310	2SA1022-C	TRANSISTOR	1	
Q3311	3SK157J15	TRANSISTOR	1	
Q3312	2SC2295-C	TRANSISTOR	1	
Q3313	2SA1022-C	TRANSISTOR	1	
Q3314	3SK157J15	TRANSISTOR	1	
Q3315-19	2SC2295-C	TRANSISTOR	5	
Q3321,22	2SA1226E34	TRANSISTOR	2	
Q3323	2SC2295-C	TRANSISTOR	1	
QR3101,02	UN2217	TRANSISTOR-RESISTOR	2	
QR3201,02	UN2217	TRANSISTOR-RESISTOR	2	
QR3301,02	UN2217	TRANSISTOR-RESISTOR	2	
R3001	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3002	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3003	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3004	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3005	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R3007	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R3008	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3009	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3010,11	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R3012	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R3013,14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R3101	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3102	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3103	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3104	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3105	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3106	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3107	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3108	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3109	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3110	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3111	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3112	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3113	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3114	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3115	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3116	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3118	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3119	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3120	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3124	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3125	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3126	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3127	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3129-31	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3132,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3134	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3136	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3137	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3139	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3140	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3141,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3144,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3146	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3147	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3201	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3203	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3204	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3205	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3206	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3207	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3208	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3209	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3210	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3211	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3212	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3213	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3214	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3215	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3216	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3217	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3218	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3219	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3220	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3221	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3224	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3225	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3226	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3227	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3228	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3229-31	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3232,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3234	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3239	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3241,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3244,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3246	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3247	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3301	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3302	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3303	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3304	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3305	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3306	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3307	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3308	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3309	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3310	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3311	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3312	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3313	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3314	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3315	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3316	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3318	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3319	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3320	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3321	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3324	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3325	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3326	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3327	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3328	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3329	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3330,31	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R3332,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3334	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R3339	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3341,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3344,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3346	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3347	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
TG3001,02	EYF6CU	TEST POINT	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP3001-05	EYF6CU	TEST POINT	5	
TP3101-03	EYF6CU	TEST POINT	3	
TP3201-03	EYF6CU	TEST POINT	3	
TP3301-03	EYF6CU	TEST POINT	3	
VC3101	VCV0048	TRIMMER	1	
VC3201	VCV0048	TRIMMER	1	
VC3301	VCV0048	TRIMMER	1	
VR3101	VRV0113B103	V.RESISTOR 10K	1	
VR3102	VRV0113B203	V.RESISTOR 20K	1	D3EC42030001
VR3201	VRV0113B103	V.RESISTOR 10K	1	
VR3202	VRV0113B203	V.RESISTOR 20K	1	D3EC42030001
VR3301	VRV0113B502	V.RESISTOR 5K	1	D3EC45020002
VR3302	VRV0113B203	V.RESISTOR 20K	1	D3EC42030001
■ E3	VEP20768H	CCD PULSE P.C.BOARD	1	(RTL)
C2	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C9	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C11	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C12	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C14	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C16,17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
C18	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C19-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C22	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C23	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C24,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C29,30	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C32	ECHU1C333JA5	P.CAPACITOR 16V 0.033U	1	
C33	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C35	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C37	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C39	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C40	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C41,42	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C43,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C45	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C47-49	ECST1CY475	T.CAPACITOR CH 16V 4.7U	3	
C50	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C51,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C53	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C54	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C57	VCEA1AAP101	E.CAPACITOR 10V 100U	1	F2D1A1010002
C58	VCEA1AAP680	E.CAPACITOR 10V 68U	1	F2D1A6800003
C59	ECA0JKF121	E.CAPACITOR 6.3V 120U	1	
C62	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C66	ECKF1H122KB	C.CAPACITOR 50V 1200P	1	
C104	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C106	EEUFC1E221	E.CAPACITOR 16V 220U	1	
C107	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C110	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C111	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C113	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C114	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C115	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C118	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C119	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C120	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C131	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C132	EEUFC1C122	E.CAPACITOR 16V 1200U	1	
C136	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C137	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C138	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C139	ECCF1H220JC	C.CAPACITOR 50V 22P	1	
D1	MA151K	DIODE	1	
D3,D4	MA142K	DIODE	2	
D6	MA142K	DIODE	1	
D7	MA165	DIODE	1	
D102	MA3068-M	DIODE	1	
D103,04	MA3024	DIODE	2	
D108	MA3068-M	DIODE	1	
IC1	MN5280	IC	1	
IC2	MC74HC04AF	IC	1	C0JBAB000043
IC3,C4	TC7SH08F	IC	2	
IC5	74AC86SJ	IC	1	C0JBAE000100
IC6	MC74HC04AF	IC	1	C0JBAB000043
IC101,02	NJM2904M	IC	2	
IC103	NJM431U	IC	1	C0DBEZC00003
IC105	NJM2904M	IC	1	
L1	VLQ0319K100	COIL 10UH	1	G1C100K00023
L2-L4	VLP0352	FERRITE CORE	3	
L5	VLQEL05F470K	COIL 47UH	1	G0C470K00009
P1	VJS2907D025	CONNECTOR (FEMALE)	1	K1MN25B00002
P2,P3	VJS3422B018	CONNECTOR (FEMALE)	2	
P4	VJS3550A014	CONNECTOR (FEMALE)	1	
Q1	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q2,Q3	2SC3735B35	TRANSISTOR	2	
Q4-Q6	2SD601A-R	TRANSISTOR	3	
Q102-04	2SB956-R	TRANSISTOR	3	
Q108	2SD1280-R	TRANSISTOR	1	
R5-R7	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R8-10	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R17,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R21,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R36,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R46	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R47,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R49	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R51,52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R53	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R54	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R55	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R56	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R59-61	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R62	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R65	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R66	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R69	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R72,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R77	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R80	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R81	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R90,91	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R92-94	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R98	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R99	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R105	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R106	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R109	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R110	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R112	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R116	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R118	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R133	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R134	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R137	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R139,40	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R143,44	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R150,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R204	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
R205	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
R206-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R210	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R211	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG1	EYF6CU	TEST POINT	1	
TP4-P8	EYF6CU	TEST POINT	5	
VR1-R4	VRV0161B501	V.RESISTOR 500	4	
VR8-10	VRV0161B503	V.RESISTOR 50K	3	
VR11-13	VRV0161B203	V.RESISTOR 20K	3	
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
■ E4	VEP23486L	PRE PROCESS P.C.BOARD	1	(RTL)
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C103	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C106	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C107	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C108	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C109	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C110,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C114,15	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C116	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C121	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C122	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C123	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C124	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C126,27	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C128,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C131,32	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	2	
C133	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C134	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C135,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C137	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C138	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C139,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C141	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C142	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C143-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C152	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C154	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C155,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C157	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C158	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C159,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C161	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C165,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C302	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C303	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C306	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C307	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C308	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C310,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C312	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C314,15	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C316	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C319	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C321	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C324	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C326,27	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C331,32	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	2	
C333	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C334	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C335,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C337	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C338	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C339,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C341	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C342	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C343-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C352	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C354	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C355,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C357	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C358	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C359,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C361	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C365,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C503	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C506	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C507	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C508	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C509	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C510,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C512	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C514,15	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C516	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C519	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C521	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C524	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C526,27	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C528,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C531,32	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	2	
C533	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C534	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C535,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C537	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C538	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C539,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C541	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C542	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C543-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C552	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C554	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C555,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C557	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C558	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C559,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C561	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C565,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C701,02	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	F1J1C105A083
C703	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C705	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C706-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C710	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C712-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C717	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C718,19	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	2	
C720	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C721	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C722	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C723	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C726	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C727	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C728	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C729,30	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C731	ECST1CY335ZR	T.CAPACITOR CH 16V 3.3U	1	
C732-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C736,37	ECST1AX226Z	T.CAPACITOR CH 10V 22U	2	
C740-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C800,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C802	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C803-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C807	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C808	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C809	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C810,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C812	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C813	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D101,02	MA142K	DIODE	2	
D103	HZU4BLL	DIODE	1	
D301,02	MA142K	DIODE	2	
D303	HZU4BLL	DIODE	1	
D501,02	MA142K	DIODE	2	
D503	HZU4BLL	DIODE	1	
D701	MA142K	DIODE	1	
D702,03	MA8043	DIODE	2	
D704	MA8024	DIODE	1	
FL101	VLF1418	FILTER	1	
FL301	VLF1418	FILTER	1	
FL501	VLF1418	FILTER	1	
IC101	TC4W53FU	IC	1	
IC102	TLC272CPS	IC	1	C0ABEB000009
IC103	CLC505AJE	IC	1	C0ABAB000024
IC104	MC1495D	IC	1	
IC105	NJM062V	IC	1	
IC106	TC4W53FU	IC	1	
IC107	AN90B60S	IC	1	
IC301	TC4W53FU	IC	1	
IC302	TLC272CPS	IC	1	C0ABEB000009
IC303	CLC505AJE	IC	1	C0ABAB000024
IC304	MC1495D	IC	1	
IC305	NJM062V	IC	1	
IC306	TC4W53FU	IC	1	
IC307	AN90B60S	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC501	TC4W53FU	IC	1	
IC502	TLC272CPS	IC	1	C0ABEB000009
IC503	CLC505AJE	IC	1	C0ABAB000024
IC504	MC1495D	IC	1	
IC505	NJM062V	IC	1	
IC506	TC4W53FU	IC	1	
IC507	AN90B60S	IC	1	
IC701	NJM062V	IC	1	
IC702	TC4W53FU	IC	1	
IC703	NJU7064V	IC	1	
IC704,05	C0ABBA000075	IC	2	
IC706	NJM431U	IC	1	C0DBEZC00003
IC707	XC62AP3002M	IC	1	
IC708	XC62DN3002M	IC	1	
P701,02	VJP4395B006	CONNECTOR (MALE)	2	
P703	VJS3791D045	CONNECTOR (FEMALE)	1	K1MN45B00006
Q101	XP6534	TRANSISTOR-RESISTOR	1	
Q102	2SA1532-B	TRANSISTOR	1	
Q103	2SK662-R	TRANSISTOR	1	
Q104	2SC3930-B	TRANSISTOR	1	
Q105	2SK662-R	TRANSISTOR	1	
Q106	2SK508-B	TRANSISTOR	1	
Q107,08	2SK508K512	TRANSISTOR	2	
Q109,10	2SC3930-B	TRANSISTOR	2	
Q111	XP6401	TRANSISTOR-RESISTOR	1	
Q112	2SK662-R	TRANSISTOR	1	
Q113	2SC3930-B	TRANSISTOR	1	
Q114	2SA1532-B	TRANSISTOR	1	
Q115	XP1501	TRANSISTOR-RESISTOR	1	
Q116	XP6435	TRANSISTOR-RESISTOR	1	XP0643500L
Q117	2SK662-R	TRANSISTOR	1	
Q118	2SA1532-B	TRANSISTOR	1	
Q119,20	XP1501	TRANSISTOR-RESISTOR	2	
Q121	2SC3930-B	TRANSISTOR	1	
Q122	2SK662-R	TRANSISTOR	1	
Q123	XP6534	TRANSISTOR-RESISTOR	1	
Q124	2SD1819A-R	TRANSISTOR	1	
Q125	2SC3930-B	TRANSISTOR	1	
Q126	2SK662-R	TRANSISTOR	1	
Q127	2SK508K512	TRANSISTOR	1	
Q301	XP6534	TRANSISTOR-RESISTOR	1	
Q302	2SA1532-B	TRANSISTOR	1	
Q303	2SK662-R	TRANSISTOR	1	
Q304	2SC3930-B	TRANSISTOR	1	
Q305	2SK662-R	TRANSISTOR	1	
Q306	2SK508-B	TRANSISTOR	1	
Q307,08	2SK508K512	TRANSISTOR	2	
Q309,10	2SC3930-B	TRANSISTOR	2	
Q311	XP6401	TRANSISTOR-RESISTOR	1	
Q312	2SK662-R	TRANSISTOR	1	
Q313	2SC3930-B	TRANSISTOR	1	
Q314	2SA1532-B	TRANSISTOR	1	
Q315	XP1501	TRANSISTOR-RESISTOR	1	
Q316	XP6435	TRANSISTOR-RESISTOR	1	XP0643500L
Q317	2SK662-R	TRANSISTOR	1	
Q318	2SA1532-B	TRANSISTOR	1	
Q319,20	XP1501	TRANSISTOR-RESISTOR	2	
Q321	2SC3930-B	TRANSISTOR	1	
Q322	2SK662-R	TRANSISTOR	1	
Q323	XP6534	TRANSISTOR-RESISTOR	1	
Q324	2SD1819A-R	TRANSISTOR	1	
Q325	2SC3930-B	TRANSISTOR	1	
Q326	2SK662-R	TRANSISTOR	1	
Q327	2SK508K512	TRANSISTOR	1	
Q501	XP6534	TRANSISTOR-RESISTOR	1	
Q502	2SA1532-B	TRANSISTOR	1	
Q503	2SK662-R	TRANSISTOR	1	
Q504	2SC3930-B	TRANSISTOR	1	
Q505	2SK662-R	TRANSISTOR	1	
Q506	2SK508-B	TRANSISTOR	1	
Q507,08	2SK508K512	TRANSISTOR	2	
Q509,10	2SC3930-B	TRANSISTOR	2	
Q511	XP6401	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q512	2SK662-R	TRANSISTOR	1	
Q513	2SC3930-B	TRANSISTOR	1	
Q514	2SA1532-B	TRANSISTOR	1	
Q515	XP1501	TRANSISTOR-RESISTOR	1	
Q516	XP6435	TRANSISTOR-RESISTOR	1	XP0643500L
Q517	2SK662-R	TRANSISTOR	1	
Q518	2SA1532-B	TRANSISTOR	1	
Q519,20	XP1501	TRANSISTOR-RESISTOR	2	
Q521	2SC3930-B	TRANSISTOR	1	
Q522	2SK662-R	TRANSISTOR	1	
Q523	XP6534	TRANSISTOR-RESISTOR	1	
Q524	2SD1819A-R	TRANSISTOR	1	
Q525	2SC3930-B	TRANSISTOR	1	
Q526	2SK662-R	TRANSISTOR	1	
Q527	2SK508K512	TRANSISTOR	1	
Q701,02	2SD1819A-R	TRANSISTOR	2	
Q703,04	2SB956-R	TRANSISTOR	2	
Q705	2SD1280-R	TRANSISTOR	1	
Q706	2SA1532-B	TRANSISTOR	1	
QR701	UN5113	TRANSISTOR-RESISTOR	1	
R101	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R102,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R104	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R106	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R108	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R109	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R110	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R111	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R112	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R113	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R114	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R115	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R116	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R118	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R119	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R120	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R122	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R123	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R125	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R126,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R130	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R131	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R132	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R133,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R135	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R136	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R137	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R138	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R139	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R140	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R141,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R143	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R144	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R145	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R148	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R150	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R151	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R152	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R155	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R157	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R158	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R160	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R161	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R162	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R163	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R164	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R165	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R166	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R167	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R168	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R169	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R170	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R171	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R173	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R174	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R175	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R176	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R177	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R178	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R179	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R180	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R181	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R182	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R183	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R184	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R186	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R187	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R188	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R189,90	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R191	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R192	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R193	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R194	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R195	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R196	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R197	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R198	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R201	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R202	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R203	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R205	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R206	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R207	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R208	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R210	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R213	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R214	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R217	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R220	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R222	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R223	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R230	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R231	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R232	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R234	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R236	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R238,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R240	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R241	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R301	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R302,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R304	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R305	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R306	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R307	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R309	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R311	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R312	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R313	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R314	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R315	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R316	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R317	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R318	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R321	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R322	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R324	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R325	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R326,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R330	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R332	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R333,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R335	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R336	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R337	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R338	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R339	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R340	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R341,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R343	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R344	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R345	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R346	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R347	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R348	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R350	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R351	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R353	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R354	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R355	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R357	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R358	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R359	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R360	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R361	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R362	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R364	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R365	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R366	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R368	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R370	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R371	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R372	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R373	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R374	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R375	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R376	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R377	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R378	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R379	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R380	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R381	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R382	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R383	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R384	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R385	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R386	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R387	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R389,90	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R391	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R392	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R393	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R394	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R395	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R396	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R397	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R398	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R399	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R401	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R402	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R403	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R405	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R406	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R407	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R408	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R409	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R410	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R411	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R412	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R413	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R414	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R418	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R421	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R422	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R423	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R424	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R430	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R431	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R432	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R434	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R436	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R441	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R442	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R502,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R504	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R506	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R507	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R508,09	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R510	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R511	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R512	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R513	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R514	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R515	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R516	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R517	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R518	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R519	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R521	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R522	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R523	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R524	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R525	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R526,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R530	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R531	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R532	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R533,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R535	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R536	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R537	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R538	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R539	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R540	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R541,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R543	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R544	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R545	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R546	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R547	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R548	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R550	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R551	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R553	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R554	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R555	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R557	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R558	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R559	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R560	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R561	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R562	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R563	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R564	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R567	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R568	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R569	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R570	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R571	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R572	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R573	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R574	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R575	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R576	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R577	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R578	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R579	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R580	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R581	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R582	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R583	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R584	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R585	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R586	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R587	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R588	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R589,90	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R591	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R592	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R593	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R594	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R595	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R596	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R597	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R598	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R599	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R601	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R602	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R603	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R605	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R606	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R607	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R608	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R610	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R611	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R612	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R613	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R614	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R615	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R617	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R618	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R620	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R621	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R622	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R623	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R630	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R631	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R632	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R638,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R640	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R641	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R642	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R701	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R702	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R705	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R707	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R709	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R710	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R711	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R712,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R714	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R715	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R716	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R717	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R718	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R719	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R720	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R721	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R722-25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R726,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R730,31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R732	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R733	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R734	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R735	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R736	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R737-39	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	3	
R740	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R741	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R742	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R743	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R744,45	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R746,47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R748	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R749	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R750	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R751	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R752	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R753	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R754	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R755	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R756	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R757	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R760	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R763	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R764	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
RA101,02	EXB24V101J	COMBI.R-R 100	2	
RA103,04	EXB24V103J	COMBI.R-R 10K	2	
RA301,02	EXB24V101J	COMBI.R-R 100	2	
RA303,04	EXB24V103J	COMBI.R-R 10K	2	
RA501,02	EXB24V101J	COMBI.R-R 100	2	
RA503,04	EXB24V103J	COMBI.R-R 10K	2	
RA701,02	EXB24V101J	COMBI.R-R 100	2	
TG701-03	EYF6CU	TEST POINT	3	
TP101-03	EYF6CU	TEST POINT	3	
TP301-03	EYF6CU	TEST POINT	3	
TP501-03	EYF6CU	TEST POINT	3	
VR101	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR102	VRV0113B104	V.RESISTOR 100K	1	
VR103	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR104	VRV0113B103	V.RESISTOR 10K	1	
VR105	VRV0113B202	V.RESISTOR 2K	1	
VR301	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR302	VRV0113B104	V.RESISTOR 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR303	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR305	VRV0113B202	V.RESISTOR 2K	1	
VR501	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR502	VRV0113B104	V.RESISTOR 100K	1	
VR503	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR504	VRV0113B103	V.RESISTOR 10K	1	
VR505	VRV0113B202	V.RESISTOR 2K	1	
■ E6	VEP00Z41G	MOTHER P.C.BOARD	1	(RTL)
C9601-14	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	14	
L9601-10	VLP0353	COIL	10	
L9611-14	VLP0147	COIL	4	
L9615-29	VLP0353	COIL	15	
L9630	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L9631	VLP0353	COIL	1	
L9632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L9633	VLP0353	COIL	1	
L9634-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
P1	VJP3978A060A	CONNECTOR (MALE)	1	
P9601	VJP3808E100	CONNECTOR (MALE)	1	K1KAA0A00044
P9602-07	VJS4064N160E	CONNECTOR (FEMALE)	6	K1KAG0A00006
P9608	VJP3808E160	CONNECTOR (MALE)	1	K1KAG0A00004
P9609	VJP3125B006	CONNECTOR (MALE) 6P	1	
P9610	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P9611	VJP3125B003	CONNECTOR (MALE) 3P	1	
P9612	VJP3125B005	CONNECTOR (MALE) 5P	1	K1KA05B00013
P9613	VJP3125B014	CONNECTOR (MALE)	1	
P9614	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P9616	VJP3125B005	CONNECTOR (MALE) 5P	1	K1KA05B00013
P9617	VJP3125B012	CONNECTOR (MALE)	1	
P9618,19	VJP3125B004	CONNECTOR (MALE)	2	K1KA04B00113
P9620	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
P9621	VJP3518B002	CONNECTOR (MALE)	1	
P9622	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P9623	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
R9602-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R9611-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R9628-31	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
R9632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9638	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
■ E7	VEP26240G	CAMERA SYSCON P.C.BOARD	1	(RTL)
C6101	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C6102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6104,05	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C6106,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6108	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6109	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6110	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6111	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C6112	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6113,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6115	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6116	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C6117-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6122	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6123-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6126	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C6201-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6206	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C6208,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6210	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C6211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6212	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6214	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6215	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6216	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6217	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C6218	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C6219,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6221,22	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6224	ECST1AY475	T.CAPACITOR CH 10V 4.7U	1	
C6225	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6226	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6227	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C6228-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6232	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C6233	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6234	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C6235,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6237	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6238	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C6239-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C6246-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6250,51	ECST1CY475	T.CAPACITOR CH 16V 4.7U	2	
C6252-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6260	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C6261	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6405-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6408	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6410	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6411-13	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	3	
C6414	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C6415-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6418	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6419,20	ECHU1C104J	P.CAPACITOR 16V 0.1U	2	
C6421	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6422	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6423-25	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C6426	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6427-29	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3	
C6501-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
D6201-06	MA8051-H	DIODE	6	
D6207,08	MA142K	DIODE	2	
D6209,10	MA8051-H	DIODE	2	
IC6101	XC62AP5002P	IC	1	
IC6102	C0CBBDB00004	IC	1	
IC6201	HD33048SA85F	IC	1	
IC6202	M51951BML	IC	1	
IC6203	VSI3808	IC	1	
IC6204	KM681CLTE7L	IC	1	C3BBHC000097
IC6205	C3ZBD0000004	IC	1	
IC6206	C0JBAN000098	IC	1	
IC6207	IDT71321A55	IC	1	C3HBCC000022
IC6211	M62370GP	IC	1	C0FBBD000082
IC6212	C0ABCA000038	IC	1	
IC6213	C0JBAA000117	IC	1	
IC6214	TC7W32F	IC	1	
IC6215	C0ABBA000075	IC	1	
IC6216,17	TVHC574FT	IC	2	
IC6218	TVHC573FT	IC	1	
IC6219	TC7S04F	IC	1	C0JBAB000169
IC6401	TC7W32F	IC	1	
IC6402,03	C0JBAZ001348	IC	2	
IC6404,05	C0ABFB000012	IC	2	
IC6406	C0JBAZ001348	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6407	TC7S00FU	IC	1	
IC6501-03	MB88351PF	IC	3	C0FBBG000024
L6101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L6102	VLQ0319K4R7	COIL 4.7UH	1	
L6103	VLQ0319K220	COIL 22UH	1	G1C220K00015
L6201,02	VLP0147	COIL	2	
P6101	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P6102	VJP3506A100	CONNECTOR (MALE)	1	K1KAA0A00065
P6103	VJP3358C012	CONNECTOR (MALE)	1	K1KA12A00138
P6104	VJS3826A020	CONNECTOR (FEMALE)	1	
Q6401-03	2SA1532-B	TRANSISTOR	3	
Q6404	2SD1819A-R	TRANSISTOR	1	
Q6405	2SB1218A	TRANSISTOR	1	
Q6406,07	2SD1819A-R	TRANSISTOR	2	
QR6201,02	UN5213	TRANSISTOR-RESISTOR	2	
QR6203-09	UN5113	TRANSISTOR-RESISTOR	7	
QR6401	UN5211	TRANSISTOR-RESISTOR	1	
R6109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6112,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6121,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6124,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6126	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6201	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R6202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6204	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R6205	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6206	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6207	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6210-12	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R6216	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6220	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6231-34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6235-37	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R6241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6242	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6244	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6247,48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6249	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6256	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6257,58	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R6259	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6270	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6273,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6277,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6279,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6293	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6294	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R6295	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R6296	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6312	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6314	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6316,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6319	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6320,21	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6323,24	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6402	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R6403	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6405,06	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R6408	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6410	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6412-20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	9	
R6421	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6423	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6425	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6428,29	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R6430	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6431	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6432	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6433	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6434	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6435	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6436	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6437	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6438	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6439	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6440	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6441-44	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	4	
R6446	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6448	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6450,51	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R6452	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6454-56	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R6457-59	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	3	
RA6101-04	EXB24V101J	COMBI.R-R 100	4	
RA6201-17	EXB24V101J	COMBI.R-R 100	17	
RA6221-27	EXB24V101J	COMBI.R-R 100	7	
RA6229	EXB24V101J	COMBI.R-R 100	1	
RA6232-37	EXB24V473J	COMBI.R-R 47K	6	
RA6242	EXB24V473J	COMBI.R-R 47K	1	
RA6243	EXB24V101J	COMBI.R-R 100	1	
RA6244-46	EXB24V473J	COMBI.R-R 47K	3	
RA6247-49	EXB24V101J	COMBI.R-R 100	3	
RA6401	EXB24V101J	COMBI.R-R 100	1	
SW6201	VSS0342	SWITCH	1	K0D112B00056
TG6205-07	EYF6CU	TEST POINT	3	
TP6209-11	EYF6CU	TEST POINT	3	
X6201	VSX0821	CRYSTAL OSCILLATOR	1	H0J160500014
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4618	NUMBER PLATE (3)	1	
	MBF8TA90PFTS	IC	1	C3FBLD000020
■ E8	VEP23487G	DSP MAIN P.C.BOARD	1	(RTL)
■	VEP23495A	DSP SUB P.C.BOARD	1	(RTL)FOR VEP23487G
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C7,C8	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C14	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C15	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C17	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C18-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C22	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	
C23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C24	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C25-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C28	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C29-33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C34	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C35-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C38	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C39-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C44	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C45-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C48	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C49-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C54-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C107	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C110-33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	24	
C201,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C203	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C204-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C208	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C209	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C211-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C218	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C220	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C301-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C304,05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C306-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C309,10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C315,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C317	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C318	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C319	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C320	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C321	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C322	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C323	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C324,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C327,28	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C332,33	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C334	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D10	MA142WA	DIODE	1	
D301	MA157	DIODE	1	FOR VEP23495A
IC1	NJM431U	IC	1	C0DBEZC00003
IC2,C3	C0JBAE000004	IC	2	
IC4	C0CBABC00049	IC	1	
IC5	AD9200ARS	IC	1	
IC6	C0CBABC00049	IC	1	
IC7	AD9200ARS	IC	1	
IC8	C0CBABC00049	IC	1	
IC9	AD9200ARS	IC	1	
IC10	C0ABFB000012	IC	1	
IC101	VY21621	IC	1	
IC106	C0JBAB000200	IC	1	
IC107	TVHC32FT	IC	1	
IC108	C0JBAA000099	IC	1	
IC109	TC7S00FU	IC	1	
IC201	C0JBAE000004	IC	1	
IC202	TC7S08F	IC	1	C0JBAA000095
IC203	ADV7122KST50	IC	1	C0FBBF000019
IC204	XC62AP5002P	IC	1	
IC205	ADV7122KST50	IC	1	C0FBBF000019
IC206	XC62AP5002P	IC	1	
IC207,08	AD589JR	IC	2	
IC301	LC35256FM70U	IC	1	
IC303	TVHC245FT	IC	1	
IC305	AD7805BRS	IC	1	C0FBBF000016
IC307	TVHC157FT	IC	1	
IC308	TC7S02F	IC	1	C0JBAD000065
IC315	XC62AP5002P	IC	1	
IC316	C0CBBDB00004	IC	1	
IC317	TC7W00FU	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L2,L3	VLQ0319K101	COIL 100UH	2	G1C101K00022
L201,02	VLQ0319K101	COIL 100UH	2	G1C101K00022
P1	VJS3505A100	CONNECTOR (FEMALE)	1	K1KBA0A00062
P3	VJP4395B006	CONNECTOR (MALE)	1	
Q10-12	2SB1218A-R	TRANSISTOR	3	
Q14-17	2SD1819A-R	TRANSISTOR	4	
Q19	2SB1218A-R	TRANSISTOR	1	
Q21	2SD1819A-R	TRANSISTOR	1	
Q23	2SD1819A-R	TRANSISTOR	1	
Q201	2SB1218A-R	TRANSISTOR	1	
Q202	2SD1819A-R	TRANSISTOR	1	
Q203	2SB1218A-R	TRANSISTOR	1	
Q204,05	2SD1819A-R	TRANSISTOR	2	
Q301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q306	XN4501	TRANSISTOR-RESISTOR	1	
Q308	XN4501	TRANSISTOR-RESISTOR	1	
R1,R2	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R4,R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R9-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R16-18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R19	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R22,23	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R25-27	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R28	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R31	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R33	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R35	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R36	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R37	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R38	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R40,41	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R42	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R43	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R44	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R47-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R51-54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R55,56	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
R57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60-63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R66	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R70	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R71,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R78	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R79,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R102-05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R111,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R115	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R116	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R117-19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R122	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R125-28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R206	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R207,08	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R209	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R210,11	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R212	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R213,14	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R215	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R216,17	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R218	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R219	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R301-04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R307,08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R315-17	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
R322	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R324-26	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
R332-34	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	3	
R342,43	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R344	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R345	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R346	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	FOR VEP23495A
RA10-34	EXB24V101J	COMBI.R-R 100	25	
RA201-25	EXB24V101J	COMBI.R-R 100	25	
TG17	EYF6CU	TEST POINT	1	
TG23	EYF6CU	TEST POINT	1	
TP3,P4	EYF6CU	TEST POINT	2	
TP6-16	EYF6CU	TEST POINT	11	
TP18-22	EYF6CU	TEST POINT	5	
TP24,25	EYF6CU	TEST POINT	2	
■ E9	VEP23484C	CAMERA ENCODER P.C.BOARD	1	(RTL)
■	VEP23451A	ENC CHARA P.C.BOARD	1	(RTL)FOR VEP23484C
■	VEP23493A	ENC SUB P.C.BOARD	1	(RTL)FOR VEP23484C
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C9	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C12	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C14	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C15	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C17	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C18-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C21	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C22-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C25	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C26-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C32	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C34	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C36	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C38	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C41-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C44	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C45,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C47	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C50-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C53	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C54,55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C103	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C104	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C109	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C112	EEVHB0G221	E.CAPACITOR 4V 220U	1	
C114	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C116,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C118	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C119	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C120	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C121,22	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C124	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C125	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C126	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C127	EEVHB0G221	E.CAPACITOR 4V 220U	1	
C128	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C129	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C130	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C131,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C134	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C135	ECST1AX226Z	T.CAPACITOR CH 10V 22U	1	
C137,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C139	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C140,41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C142	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C150-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	FOR VEP23493A
C200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C203	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C204	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C205	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C209	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C210	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C212	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C214	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C216,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C218	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C219	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C220	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C221	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C222	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C223	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C224	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C225	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1	
C226	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C227	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C230	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C232	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C233,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C235	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C236	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C237	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C238	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C239	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C240,41	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C242	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C243	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C244	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C245	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C246	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C247	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C249	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C250	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C252	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C253	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1	
C254	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C255	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1	
C256	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C257,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C259,60	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C261,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C263	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C265	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C267,68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C269	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C271	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C272,73	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	2	
C274	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C275,76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C277	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C278,79	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C280,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C282,83	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C284,85	ECST1AX226Z	T.CAPACITOR CH 10V 22U	2	
CN1,N2	VJP4041A002	CONNECTOR (MALE)	2	K1KA02A00172 FOR VEP23493A
D200,01	MA142K	DIODE	2	
D202,03	MA8047	DIODE	2	
FL1-L3	VLF1305	FILTER	3	
FL101	VLF1305	FILTER	1	
FL200	VLF1305	FILTER	1	
IC1	TC7W32FU	IC	1	
IC4	TC7W00FU	IC	1	
IC5	AD8014AR	IC	1	
IC6-C8	TC4W53FU	IC	3	
IC9	TC7S04F	IC	1	C0JBAB000169
IC10	AD8014AR	IC	1	
IC11,12	TC4W53FU	IC	2	
IC13	AD8014AR	IC	1	
IC14,15	TC4W53FU	IC	2	
IC16	NJM062V	IC	1	
IC101,02	NJM2535M	IC	2	
IC103	AD8014AR	IC	1	
IC104	XC62AP5002P	IC	1	
IC105	NJM2535M	IC	1	
IC106	AD8014AR	IC	1	
IC110,11	TC4W53FU	IC	2	FOR VEP23493A
IC201	TC7W32FU	IC	1	
IC202	NJM431U	IC	1	C0DBEZC00003
IC203	TC4W53FU	IC	1	
IC204,05	NJM1496V	IC	2	
IC206,07	NJM062V	IC	2	
IC208	C0ABBA000075	IC	1	
IC209	TC7S04F	IC	1	C0JBAB000169
IC210	TC7W08FU	IC	1	
IC212	NJM2535M	IC	1	
L1	VLQ0426J101	COIL 100UH	1	G1C101J00005
L2,L3	VLQ0319K101	COIL 100UH	2	G1C101K00022
L101	VLQ0426J101	COIL 100UH	1	G1C101J00005
L102	VLQ0319K101	COIL 100UH	1	G1C101K00022
L200	VLQ0426J101	COIL 100UH	1	G1C101J00005
L202,03	VLQ0426J120	COIL 12UH	2	G1C120J00005
L204	VLQ0163J180	COIL 18UH	1	G1C180J00001
L205	VLQ0163J560	COIL 56UH	1	
L206,07	VLQ0163J470	COIL 47UH	2	
L208	VLQ0133J221	COIL 220UH	1	G1C221J00002
L210	VLQ0133J221	COIL 220UH	1	G1C221J00002
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q1	2SD1819A-R	TRANSISTOR	1	
Q2	2SK662-R	TRANSISTOR	1	
Q3	2SD1819A-R	TRANSISTOR	1	
Q4	XN4501	TRANSISTOR-RESISTOR	1	
Q5	XN0440100L	TRANSISTOR	1	
Q6,Q7	2SD1819A-R	TRANSISTOR	2	
Q8	XN4501	TRANSISTOR-RESISTOR	1	
Q9	XN0440100L	TRANSISTOR	1	
Q10,11	2SD1819A-R	TRANSISTOR	2	
Q12	XN4501	TRANSISTOR-RESISTOR	1	
Q13	XN0440100L	TRANSISTOR	1	
Q101	2SB1218A	TRANSISTOR	1	
Q102-06	2SD1819A-R	TRANSISTOR	5	
Q200	2SB1218A	TRANSISTOR	1	
Q201	XP6534	TRANSISTOR-RESISTOR	1	
Q202	2SD1819A-R	TRANSISTOR	1	
Q203,04	XP6534	TRANSISTOR-RESISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q205	2SK662-R	TRANSISTOR	1	
Q206	XN4501	TRANSISTOR-RESISTOR	1	
Q207	XN0440100L	TRANSISTOR	1	
Q208-12	2SB1218A	TRANSISTOR	5	
Q213	2SD1819A-R	TRANSISTOR	1	
Q214	XN4501	TRANSISTOR-RESISTOR	1	
Q215	XN0440100L	TRANSISTOR	1	
Q216	2SD1819A-R	TRANSISTOR	1	
Q217	2SB1218A	TRANSISTOR	1	
Q218	XP6534	TRANSISTOR-RESISTOR	1	
Q219	2SK662-R	TRANSISTOR	1	
Q220	2SD1819A-R	TRANSISTOR	1	
Q221	2SB1218A	TRANSISTOR	1	
Q222	XP6534	TRANSISTOR-RESISTOR	1	
Q223	2SK662-R	TRANSISTOR	1	
Q224	2SB956	TRANSISTOR	1	
Q225	2SD1280-R	TRANSISTOR	1	
QR200	UN5213	TRANSISTOR-RESISTOR	1	
R1-R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R4	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R6	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R8	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R12	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R14	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R15	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R16	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R17	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R18	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R19	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R20	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R21	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R23	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R24	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R25	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R29	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R31	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R32	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R33	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R35	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R40	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R42	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R44	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R45	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R49	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R50	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R51	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R57	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R58	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R59	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R61,62	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R63	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R64	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R65	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R66	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R67	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R68	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R69,70	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R71	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R72	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R74,75	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R76	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R77	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R79	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R80	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R82	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R84	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R87	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R89	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R90	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R91	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R93,94	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R95	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R96	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R97	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R98	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R99	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R100	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R101	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R102,03	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R104	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R105,06	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R107	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R108	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R109	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R110	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R111	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R112	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R115	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R120	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R121	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R129	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R131	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R132	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R134	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R136	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R137	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R139	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R140	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R142	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R143	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R144	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R146	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R147	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R148,49	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R150	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R151	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R152	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R153	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R155	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R156	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R160	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R162	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R170	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23493A
R171,72	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	FOR VEP23493A
R173	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23493A
R174	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP23493A
R200	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R201	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R202	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R203	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R205	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R206	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R207	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R210	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R211	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R213	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R215	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R216	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R217	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R218,19	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R220	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R221	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R222	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R223	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R224	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R225	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R226	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R227	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R228	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R229	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R230,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R232	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R234	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R235	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R237	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R238,39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R240	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R242	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R243	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R244	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R245	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R246	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R247	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R248,49	ERJ3RBD241	M.RESISTOR CH 1/16W 240	2	
R250	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R252	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R253	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R254	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R255	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R256	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R260,61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R263	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R264	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R265	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R266	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R267,68	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R269	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R270	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R271	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R272	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R273	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R274	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R277	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R278	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R279	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R280	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R281	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R282	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R283	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R284	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R285	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R286	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R287	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R288	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R289	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R291	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R292	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R293	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R294	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R296	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R297	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R298	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R299,00	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R301	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R303	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R304	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R306	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R309	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R312	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R313	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R314	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R315	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R316	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R317	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R318	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R319	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R320	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R321	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R322	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R323	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R324	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R325	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R326	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R328	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R329	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R330,31	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R332	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R333	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R338	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R339	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R342,43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R344	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R345	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R348,49	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R350	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R351	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R352	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R401	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	FOR VEP23451A
R402	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	FOR VEP23451A
R403	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP23451A
R404	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23451A
SW1	VSS0367-02B	SWITCH	1	
SW200	VSR0098	SWITCH	1	K0G112A00009
SW201	VSS0342	SWITCH	1	K0D112B00056
TG3	EYF6CU	TEST POINT	1	
TG206	EYF6CU	TEST POINT	1	
TH200	VRT014116250	THERMISTOR	1	
TP2	EYF6CU	TEST POINT	1	
TP5	EYF6CU	TEST POINT	1	
TP7	EYF6CU	TEST POINT	1	
TP102,03	EYF6CU	TEST POINT	2	
TP201,02	EYF6CU	TEST POINT	2	
TP204,05	EYF6CU	TEST POINT	2	
VC200	VCV0047	TRIMMER	1	
VR1	EVM7JGA00B14	V.RESISTOR 10K	1	
VR2-R4	EVM7JGA00BE2	V.RESISTOR 220	3	
VR101	EVM7JGA00B14	V.RESISTOR 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR102-05	EVM7JGA00BE2	V.RESISTOR 220	4	
VR200	EVM7JGA00B14	V.RESISTOR 10K	1	
VR201	VRV0161B102	V.RESISTOR 1K	1	
VR202	VRV0161B501	V.RESISTOR 500	1	
VR203	EVM7JGA00B14	V.RESISTOR 10K	1	
VR205	EVM7JGA00B52	V.RESISTOR 500	1	
VR206	VRV0161B203	V.RESISTOR 20K	1	
VR209	VRV0161B203	V.RESISTOR 20K	1	
VR210	EVM7JGA00B52	V.RESISTOR 500	1	
VR401	EVM7JGA00B23	V.RESISTOR 2K	1	FOR VEP23451A
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4617	NUMBER PLATE (2)	1	
■ E10	VEP23480G	CAMERA SYNC P.C.BOARD	1	(RTL)
■	VEP23490A	CAMERA SYNC SUB P.C.BOARD	1	(RTL)FOR VEP23480G
C3001	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3003	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3005-08	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	F1J1E1040007
C3009	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3010	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3011	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3014	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3017	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3019-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3024	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3025	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3026	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3027-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3030	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3031	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3032	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3033	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3034,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3037	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3038	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3039-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3042	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3043	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3044	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3045	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3046,47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C3050	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3051	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3052	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3053	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3054	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3055	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3056	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3057	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3058	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3061,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3068	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3101-03	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	3	
C3104	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3106	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3107	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3108	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3109-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3112	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3113	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3117,18	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	2	
C3119,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3121	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3122	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3123	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3125-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3130	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3131	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3132	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3133	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3134	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3136-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C3204	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3206,07	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3208-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	17	
C3226-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3405,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3501	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C3502	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C3503	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C3504-06	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3	
C3507	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3508	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3509,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3511	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3512-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3516	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
D3001,02	MA3020	DIODE	2	
D3003	MA3J14300L	DIODE	1	
D3004,05	MA3020	DIODE	2	
D3006	MA3J14300L	DIODE	1	
D3101	MA3J14300L	DIODE	1	
D3501	MA142K	DIODE	1	
IC405	TC7SH32FU	IC	1	
IC3001	XC62AP5002P	IC	1	
IC3002	C1AB00001301	IC	1	
IC3003	TC7W32FU	IC	1	
IC3004,05	AD790JR	IC	2	
IC3006	NJM062M	IC	1	C0ABBB000027
IC3007	MC74HC125AF	IC	1	C0JBAZ000126
IC3008	NJM062M	IC	1	C0ABBB000027
IC3009,10	TC7SH04FU	IC	2	
IC3012	NJM062M	IC	1	C0ABBB000027
IC3013	TC7SH04FU	IC	1	
IC3014	C0JBAE000004	IC	1	
IC3018	TC7S32FU	IC	1	
IC3101	TCVHC221F	IC	1	
IC3102	MC74HC04AF	IC	1	C0JBAB000043
IC3103	NJM062M	IC	1	C0ABBB000027
IC3104	AD790JR	IC	1	
IC3105	MC74HC00AF	IC	1	C0JBAC000028
IC3106	MC74HC04AF	IC	1	C0JBAB000043
IC3107	C0JBAZ001348	IC	1	
IC3108	NJM062M	IC	1	C0ABBB000027
IC3109	XC62AP5002P	IC	1	
IC3111	XC62AP5002P	IC	1	
IC3201	UPD65802G160	IC	1	C1ZBZ0001387
IC3202	C0JBAB000196	IC	1	
IC3203	TVHC244FT	IC	1	
IC3204	MC74HC86AF	IC	1	
IC3205	MC74HC125AF	IC	1	C0JBAZ000126
IC3206	MC74HC04AF	IC	1	C0JBAB000043
IC3207,08	TC7SH04FU	IC	2	
IC3209	C0JBAZ000514	IC	1	
IC3210	C0JBAF000184	IC	1	
IC3212	MC74HC4538AF	IC	1	C0JBAM000012
IC3213	TC7S00FU	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3404	C0JBAZ001348	IC	1	
IC3501	C0JBAB000196	IC	1	
IC3502	TVHC153FT	IC	1	
IC3503	TC4W66F	IC	1	C0JBAS000055
L3001	VLQ0163J680	COIL 68UH	1	
L3002	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3004-07	VLQ0319K101	COIL 100UH	4	G1C101K00022
L3009,10	VLQ0319K101	COIL 100UH	2	G1C101K00022
L3102	VLQ0163J221	COIL 220UH	1	G1C221J00003
L3201	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3501	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
P3501	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q3001-05	2SD1819A-R	TRANSISTOR	5	
Q3101,02	2SB1218A	TRANSISTOR	2	
Q3501	2SB1218A	TRANSISTOR	1	
Q3502	2SC3930-B	TRANSISTOR	1	
Q3503	2SA1532-B	TRANSISTOR	1	
Q3504	2SC3938-R	TRANSISTOR	1	
Q3505,06	2SA1532-B	TRANSISTOR	2	
Q3507	2SB1218A	TRANSISTOR	1	
Q3508	2SD1819A-R	TRANSISTOR	1	
R3003	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3004	ERJ3RED564	M.RESISTOR CH 1/16W 560K	1	
R3005	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3006	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3007	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3008,09	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R3010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3011	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3012,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3014	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3015,16	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3018	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3019	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3020	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3021	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3022	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3023	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3026	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3027	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3030	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3031	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R3032	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3034	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3035	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3036	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3037	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3038	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3039	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3040	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3041	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3044,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3047	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3050	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3051	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3054	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3055	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3056	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3057	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3058	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3059	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3065	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3072	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3074,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3101	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3104	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3107	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3109	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3110	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3114	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3115	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3116	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3117	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3118	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3119	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3120	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3122	ERJ3GEYJ274V	M.RESISTOR CH 1/16W 270K	1	
R3124	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3125	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3126,27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3128	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3130	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3133	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3134	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3135	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3141,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3147,48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3208,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3211	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3212-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3224-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3231-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3236-46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11	
R3249-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3263	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3269-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3281-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3287	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3289,90	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3291,92	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R3293	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3295	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3297-99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3329-31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3340	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3348	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3349	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3350	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3408,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3410	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3417	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3503,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3510	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3516	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3517-19	ERJ3RBD101	M.RESISTOR CH 1/16W 100	3	
R3520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3524	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R3525	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R3526	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3527	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3528	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3529	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3530	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3531	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3533	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3534	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3535	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3542	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3544	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
SW3001	VSS0342	SWITCH	1	K0D112B00056 FOR VEP23490A
TG3101	EYF6CU	TEST POINT	1	
TG3501	EYF6CU	TEST POINT	1	
TP3001-05	EYF6CU	TEST POINT	5	
TP3101	EYF6CU	TEST POINT	1	
TP3201-07	EYF6CU	TEST POINT	7	
TP3501	EYF6CU	TEST POINT	1	
VR3001	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3002	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3102	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3103	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3104	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3501-03	VRV0161B202	V.RESISTOR 2K	3	
VR3504	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3505	VRV0161B202	V.RESISTOR 2K	1	
VR3506	VRV0161B102	V.RESISTOR 1K	1	
VR3507,08	VRV0161B202	V.RESISTOR 2K	2	
X3001	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3003	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
X3101	VSX0338	CRYSTAL OSCILLATOR	1	H1C1435A0002
X3102	VSX0688	CRYSTAL OSCILLATOR	1	H1C1435B0001
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	VGQ4618	NUMBER PLATE (3)	1	
	XNG2E	NUT	1	
■ E11	VEP03E84E	VIDEO IF P.C.BOARD	1	(RTL)
■	VEP03E85E	VIDEO IF SUB P.C.BOARD	1	(RTL)FOR VEP03E84E
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C103-07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	FOR VEP03E85E
C108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	FOR VEP03E85E
C109	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026 FOR VEP03E85E
C110	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP03E85E
C111	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C112	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85E
C113	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C113	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C114	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C114	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C115	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C115	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C116,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C119,20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C202	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C203	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C204	VCK0150	C.CAPACITOR	1	FOR VEP03E85E
C205	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85E
C206	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	FOR VEP03E85E
C207	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85E
C208	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85E
C209	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C210	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP03E85E
C211	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85E
C212	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	FOR VEP03E85E
C213,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	FOR VEP03E85E
C301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C303-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	FOR VEP03E85E
C309,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85E
C311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C313,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85E
C315	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85E
C401	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C402	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C402	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C403,04	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C406,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C415,16	ECST1CC336Z	T.CAPACITOR CH 16V 33U	2	
C417,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C419	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C420	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C421	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C422	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C423	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C424	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C425	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C426	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C428	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C429	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C430	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C431	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C432	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C436	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C437	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C441	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C442	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C443	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C444	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C445	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C446	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C447	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C448	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C449	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C451-54	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C503	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C504	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C505	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C506	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C507	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C511	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C512	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C513	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C514	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C515	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C516,17	ECST1CC336Z	T.CAPACITOR CH 16V 33U	2	
C518	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C519	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C520	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C521	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C522	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C525	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C526	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C527	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C528	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C529	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C530	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C531	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C532	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C534	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C535	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C536	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C537	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C538	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C539	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C540	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C541	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C542	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C544	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C545	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C546	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C547,48	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
D101	MA142K	DIODE	1	
D101	MA704	DIODE	1	FOR VEP03E85E
D102	MA142K	DIODE	1	
D102	MA704	DIODE	1	FOR VEP03E85E
D103,04	MA3020	DIODE	2	FOR VEP03E85E
D501	MA142K	DIODE	1	
FL401	VLF1179	FILTER	1	
IC101	C0JBAZ001348	IC	1	
IC101	XC62AP5002P	IC	1	FOR VEP03E85E
IC102	NJM062M	IC	1	C0ABBB000027 FOR VEP03E85E
IC103	C0JBAZ000279	IC	1	FOR VEP03E85E
IC106	C0JBAA000102	IC	1	FOR VEP03E85E
IC201	UPC2384GA	IC	1	FOR VEP03E85E
IC202	C0CBABC00049	IC	1	FOR VEP03E85E
IC204	C0JBAA000102	IC	1	FOR VEP03E85E
IC301	CG46183-134	IC	1	FOR VEP03E85E
IC302-05	TVHC541FT	IC	4	FOR VEP03E85E
IC306	TVHT541FT	IC	1	FOR VEP03E85E
IC309	C0JBAF000184	IC	1	FOR VEP03E85E
IC311	UG10358B	IC	1	C1ZBZ0000700 FOR VEP03E85E
IC314	C0JBAF000184	IC	1	FOR VEP03E85E
IC315	C0JBAC000111	IC	1	FOR VEP03E85E
IC401	C0JBAA000102	IC	1	
IC402	C0JBAZ001348	IC	1	
IC403	AD817AR	IC	1	C0ABAB000062
IC404	C0JBAZ001348	IC	1	
IC405	C0ABBB000158	IC	1	C0ABBA000045
IC406	C0CBBDB00004	IC	1	
IC407	C0JBAZ001348	IC	1	
IC501	XC62AP5002P	IC	1	
IC502	C1AB00001301	IC	1	
IC503	TVS1129	IC	1	C0JBAZ000525
IC504-06	CXD1176Q	IC	3	
IC507	TC7SH04FU	IC	1	
IC508	TC7W74FU	IC	1	
L101-03	VLQ0319K101	COIL 100UH	3	G1C101K00022
L104	VLQ0319K101	COIL 100UH	1	G1C101K00022
L104	VLQ0319K101	COIL 100UH	1	G1C101K00022 FOR VEP03E85E
L201	VLQ0464K6R8	COIL 6.8UH	1	G1C6R8K00007 FOR VEP03E85E
L202	ELJNA1R5JF	COIL 1.5UH	1	FOR VEP03E85E
L203	VLQ0319K101	COIL 100UH	1	G1C101K00022 FOR VEP03E85E
L401	VLP0145	COIL	1	FOR VEP03E85E
L401	VLQ0426J120	COIL 12UH	1	G1C120J00005
L402	VLP0145	COIL	1	FOR VEP03E85E
L404,05	VLQ0319K101	COIL 100UH	2	G1C101K00022
L406	VLQ0426J820	COIL 82UH	1	G1C820J00001
L407	VLQ0426J680	COIL 68UH	1	G1C680J00007
L410	VLQ0426J820	COIL 82UH	1	G1C820J00001

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L411	VLQ0426J680	COIL 68UH	1	G1C680J00007
L413	VLQ0319K101	COIL 100UH	1	G1C101K00022
L501	VLQ0163J221	COIL 220UH	1	G1C221J00003
L502	VLQ0319K101	COIL 100UH	1	G1C101K00022
L503	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
L504-06	VLQ0319K101	COIL 100UH	3	G1C101K00022
L602-11	VLP0155	COIL	10	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJP3819E100	CONNECTOR (MALE)	1	K1KAA0A00071
P3	VJP3358C012	CONNECTOR (MALE)	1	K1KA12A00138
P401	VJS3819E100	CONNECTOR (FEMALE)	1	K1KBA0A00067 FOR VEP03E85E
Q105	2SB1218A-R	TRANSISTOR	1	
Q106	2SD1819A-R	TRANSISTOR	1	
Q107	XN0460100L	TRANSISTOR-RESISTOR	1	
Q401	2SB1218A-R	TRANSISTOR	1	
Q402	2SD1819A-R	TRANSISTOR	1	
Q403	2SA1532-B	TRANSISTOR	1	
Q404	2SD1819A-R	TRANSISTOR	1	
Q408,09	2SB1218A-R	TRANSISTOR	2	
Q410	2SA1532-B	TRANSISTOR	1	
Q414,15	2SB1218A-R	TRANSISTOR	2	
Q416	2SA1532-B	TRANSISTOR	1	
Q501	2SD1819A-R	TRANSISTOR	1	
R101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R102	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP03E85E
R103	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85E
R104	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	FOR VEP03E85E
R105	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	FOR VEP03E85E
R106	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85E
R107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E85E
R108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R108,09	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R112	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R113	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R114	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R115	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R116	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R117,18	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R119	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R120	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R124-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E85E
R207	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP03E85E
R208	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP03E85E
R209-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	FOR VEP03E85E
R212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP03E85E
R215-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85E
R219,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP03E85E
R221-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85E
R301-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	FOR VEP03E85E
R309-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85E
R315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP03E85E
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R319,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002 FOR VEP03E85E
R321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R322	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP03E85E
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R324-26	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	FOR VEP03E85E
R329-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R335	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R339-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R347	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R351	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R353,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R355-64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	10	FOR VEP03E85E
R372-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85E
R401	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R402	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R403	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R404	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R405	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R406	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R407	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R408	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R409	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R410,11	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R412	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R413	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R414	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R415	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R427	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R428	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R429	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R430	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R431	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R432,33	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R434,35	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R436	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R437	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R441	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R452	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R453	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R455	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R456	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R457,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R462	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R463,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R465	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R466	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R467-69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R501	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R502	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R503	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R504	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R505	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R506	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R507	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R510	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R513	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R514	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R516	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R517	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R518	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R519	VRE006622102	V.RESISTOR CH 1/10W 1K	1	D0YD102JA008
R520,21	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R522	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R523	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R524	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R525	VRE006607103	M.RESISTOR CH 1/10W 10K	1	D0YD103JA006
R526,27	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R528	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R530	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R531	VRE006607103	M.RESISTOR CH 1/10W 10K	1	D0YD103JA006
R532,33	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R601-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
TG101	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	FOR VEP03E85E
TP301-03	EYF6CU	TEST POINT	3	FOR VEP03E85E
TP501-03	EYF6CU	TEST POINT	3	
VR401	EVM7JGA00B23	V.RESISTOR 2K	1	
VR403,04	EVM7JGA00B23	V.RESISTOR 2K	2	
VR406,07	EVM7JGA00B23	V.RESISTOR 2K	2	
VR501	EVM7JGA00B13	V.RESISTOR 1K	1	
X101	VSX0677	CRYSTAL OSCILLATOR	1	H1C1355B0002 FOR VEP03E85E
		MISCELLANEOUS		
	VMS5528	P.C.B. POST (26SP-6)	3	
	XYN26+C35	SCREW	6	
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4724	NUMBER PLATE (6)	1	
■ E12	VEP06C45M	SYSCON P.C.BOARD	1	(RTL)
C6001	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C6002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6003	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6004,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6006,07	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6008,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6010	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6014-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C6021,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6023	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6024	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6101	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6102	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6103	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6104-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6202-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6210	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6213-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C6222	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6223-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6301	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C6302,03	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C6304	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6305	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6309-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6801,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6803,04	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C6805-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6809	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C6810	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C6811	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6812	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6813,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6815	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C6816	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C6817	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6818	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C6819	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6820	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C6821,22	EEVHP1C100	E.CAPACITOR 16V 10U	2	
D6001	MA151K	DIODE	1	
D6002-09	MA728	DIODE	8	
D6021	MA151K	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D6201,02	MA142K	DIODE	2	
D6230	MA165	DIODE	1	
D6801	MA3J14300L	DIODE	1	
D6802	MA8024	DIODE	1	
IC6001	M37702S4AFP	IC	1	C2CBYF000003
IC6002	MN13821-S	IC	1	
IC6003	C0JBAB000196	IC	1	
IC6004	TVHC32FT	IC	1	
IC6005	TVHC573FT	IC	1	
IC6006	VSI3540A	IC	1	
IC6007	C0JBAA000102	IC	1	
IC6008	C0JBAN000098	IC	1	
IC6009	UPD6456T611Y	IC	1	C1AB00000555
IC6011,12	TVHT541FT	IC	2	
IC6013	TC7SH32FU	IC	1	
IC6101,02	TVHT541FT	IC	2	
IC6201	TE7751	IC	1	C1ZBZ0000156
IC6202	C0BBBB000006	IC	1	
IC6301	C1ZBZ0001486	IC	1	
IC6302	C1ZBZ0001318	IC	1	C1ZBZ0000878
IC6801	MN51040VPI	IC	1	
IC6802	C0BBBB000006	IC	1	
IC6803	NJM4558M	IC	1	C0ABBB000044
ICF6006	VJF1047	IC SOCKET	1	
ICS6006	VJS3427X032	CONNECTOR (FEMALE)	1	
L6001	VLQ0319K100	COIL 10UH	1	G1C100K00023
L6002	VLQ0163J270	COIL 27UH	1	
L6101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L6102,03	VLQ0163J470	COIL 47UH	2	
L6201	VLQ0319K101	COIL 100UH	1	G1C101K00022
L6801	VLQ0163J470	COIL 47UH	1	
L6802	VLQ0319K101	COIL 100UH	1	G1C101K00022
P6001	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q6801	2SD1819A-R	TRANSISTOR	1	
QR6001	UN5213	TRANSISTOR-RESISTOR	1	
QR6003	UN5211	TRANSISTOR-RESISTOR	1	
QR6004,05	UN5213	TRANSISTOR-RESISTOR	2	
QR6201-04	UN5114	TRANSISTOR-RESISTOR	4	
QR6206	UN5213	TRANSISTOR-RESISTOR	1	
QR6207	UN5114	TRANSISTOR-RESISTOR	1	
QR6208-10	UN5213	TRANSISTOR-RESISTOR	3	
R6001	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6002	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6003	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6004-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R6007	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R6008	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R6009	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6011	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6012	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6013	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6014	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6015	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6016,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6019	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6021	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6022	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6023	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6026	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6029	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6030-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R6037-39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6040-44	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6045,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6047,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6049	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6050	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6053	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6054-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6101-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R6133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6137,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6141-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6144	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6145	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6201-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R6206-12	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	7	
R6213-15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6217	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6218,19	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6220-24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R6226-30	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6231	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6233-36	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	4	
R6237	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6238-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R6245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6247-50	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R6251-62	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	12	
R6263,64	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R6265	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6301,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6801	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6802	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6803,04	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R6805	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6806	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6807	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6808	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6809	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R6810	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1	
R6811	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6812,13	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R6814	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R6817	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6818	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6819	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6820	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6821	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6823	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6824	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R6826	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6827,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6829	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6839	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R6840	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6845	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
TG6001	EYF6CU	TEST POINT	1	
TP6001,02	EYF6CU	TEST POINT	2	
TP6301	EYF6CU	TEST POINT	1	
VC6001	VCV0049	TRIMMER	1	
VC6301	ECRJA020E12	TRIMMER 20P	1	
X6001	VSX0499	CRYSTAL OSCILLATOR	1	H2C120500001
X6301	VSX0602	CRYSTAL OSCILLATOR	1	H0J327200050
X6801	VSX0498	CRYSTAL OSCILLATOR	1	H2C143500001
X6802	VSX0615	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	MSM27C101ZBG	IC	1	C3DBNC000047
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4619	NUMBER PLATE (4)	1	
■ E13	VEP82219C	SERVO P.C.BOARD	1	(RTL)
C2100,01	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C2103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2107	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2108	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2109	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2110	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2111	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C2113	VCE0180	E.CAPACITOR	1	F2G1E1010003
C2115	VCE0180	E.CAPACITOR	1	F2G1E1010003
C2120	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2133	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2134	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2135	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2137,38	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2139	ECEV1EV220Q	E.CAPACITOR CH 25V 22U	1	
C2140,41	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C2143	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2144-47	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2150,51	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2152	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2200-04	VCE0180	E.CAPACITOR	5	F2G1E1010003
C2207	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C2208-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2211	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2212,13	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2217	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C2218-20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2221,22	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2223	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2224	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2228-30	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	F1J1E1040007
C2234-36	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	F1J1E1040007
C2240	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2241	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2242	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2243	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2244	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2245	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2246-48	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	3	
C2250	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2251	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2252	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2253	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2254	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2255	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2256	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2260,61	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2304,05	VCE0180	E.CAPACITOR	2	F2G1E1010003
C2307,08	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2309	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2310	VCC0037F432	C.CAPACITOR 432P	1	
C2311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2312	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2318,19	VCE0180	E.CAPACITOR	2	F2G1E1010003
C2321	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2322	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2323	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2324,25	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2326	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2327-29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2330	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2331	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2332	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2333	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2334,35	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2336	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2337-39	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2340-42	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	F1J1E1040007
C2343-46	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	4	
C2349	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2351	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2353,54	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2357-59	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	3	F1K1C105A026
C2401-04	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	4	F1K1C105A026
C2407-10	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C2411-13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2414-16	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	F1J1E1040007
C2418	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2419	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2420	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2422-25	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C2432	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2433	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2434	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2435	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2504	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2506	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2507	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2508-11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2514	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2515	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2517	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2518,19	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C2601	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2602	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2603	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2605	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2607	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C2608	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2610	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2618	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2620,21	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C2638-41	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2702	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2703	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2704	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2705	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C2706,07	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2801	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2804-08	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	F1J1E1040007
C2809	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2810,11	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2812,13	ECA12HG472L	E.CAPACITOR 4700U	2	
C2814	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2817	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2818,19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C2820	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C2821-23	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	F1J1E1040007
C2825	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2842	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C2906	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C2907,08	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	F1J1H103A010
D2100	MA142K	DIODE	1	
D2101,02	MA3J14300L	DIODE	2	
D2103	MA736	DIODE	1	
D2200,01	MA3J14300L	DIODE	2	
D2202	MA728	DIODE	1	
D2203	MA736	DIODE	1	
D2204	MA728	DIODE	1	
D2205	MA736	DIODE	1	
D2210-13	MA8047-H	DIODE	4	
D2301	MA728	DIODE	1	
D2302	MA736	DIODE	1	
D2303	MA728	DIODE	1	
D2304	MA736	DIODE	1	
D2401	MA736	DIODE	1	
D2402-05	MA3J14300L	DIODE	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D2406	MA736	DIODE	1	
D2502-04	MA142WA	DIODE	3	
D2505	MA142WK	DIODE	1	
D2701	MA3J14300L	DIODE	1	
D2702	MA3062M	DIODE	1	
D2703	MA738	DIODE	1	
D2704	MA3056-L	DIODE	1	
D2801-03	MA142WK	DIODE	3	
D2807	MA142WK	DIODE	1	
D2811,12	MA142WK	DIODE	2	
D2813	21DQ04	DIODE	1	B0JAME000021
D2814-16	MA142WK	DIODE	3	
D2817-28	MA738	DIODE	12	
D2829	NSQ03A04	DIODE	1	B0JCPE000013
D2830	MA8051-H	DIODE	1	
D2831,32	NSQ03A04	DIODE	2	B0JCPE000013
D2833	MA142WK	DIODE	1	
D2834	MA8030-H	DIODE	1	
D2835	MA142WK	DIODE	1	
D2836	MA738	DIODE	1	
D2837	MA142WK	DIODE	1	
IC2100	MN6755486AK	IC	1	
IC2103	UPC4556G2	IC	1	
IC2104	MN13821-S	IC	1	
IC2105,06	TC7SH04FU	IC	2	
IC2110	C0CBABC00049	IC	1	
IC2200,01	AN3890FBS	IC	2	
IC2202,03	B1HFPCE00001	IC	2	
IC2204,05	TA75W01FU	IC	2	
IC2207	TA75W01FU	IC	1	
IC2208	C0BBBA000030	IC	1	
IC2209	TC75W54FU	IC	1	
IC2210	C0BBBA000030	IC	1	
IC2211	TC4W53FU	IC	1	
IC2212	C0BBBA000030	IC	1	
IC2301	TL1451CDB	IC	1	
IC2302,03	AN3841SR	IC	2	
IC2401,02	C0BBBA000030	IC	2	
IC2403	TA75W01FU	IC	1	
IC2404,05	TC7W74FU	IC	2	
IC2406,07	UPC4558G2	IC	2	C0ABBB000131
IC2409,10	TA75W01FU	IC	2	
IC2501	MN6755486AL	IC	1	
IC2502	C0JBAZ000529	IC	1	
IC2503	C0BBBA000030	IC	1	
IC2602	TVHU04FT	IC	1	
IC2603	TCVHC157F	IC	1	
IC2608	C0JBAZ000529	IC	1	
IC2609	TC7SH04FU	IC	1	
IC2610	SC371028VFU	IC	1	C1AB00000906
IC2701	C0BBBA000030	IC	1	
IC2702	C0GBM0000003	IC	1	
IC2801	MC14538BF	IC	1	C0JBAM000009
IC2802	NJM2904M	IC	1	
IC2803	MC14538BF	IC	1	C0JBAM000009
IC2804	MC74HC11F	IC	1	C0JBAA000025
IC2805,06	C0JBAB000180	IC	2	
IC2807	NJM2904M	IC	1	
IC2808,09	MC14538BF	IC	2	C0JBAM000009
IC2900	TVHT244FT	IC	1	
IC2901	C0JBAA000117	IC	1	
L2101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L2104	VLQ0319K100	COIL 10UH	1	G1C100K00023
L2200	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L2201,02	VLQ0407151K	COIL 150UH	2	G0A151EA0007
L2301	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L2302,03	VLQ0407151K	COIL 150UH	2	G0A151EA0007
L2501	VLQ0319K100	COIL 10UH	1	G1C100K00023
L2601,02	VLQ0319K100	COIL 10UH	2	G1C100K00023
L2701	VLQ0319K101	COIL 100UH	1	G1C101K00022
P2600	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P2601	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P2602	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P2603	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P2604	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P2605	VJP3518B002	CONNECTOR (MALE)	1	
P2606	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P2607	VJS3801B010	CONNECTOR (FEMALE)	1	
P2608	VJP3518B002	CONNECTOR (MALE)	1	
P2609	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P2610	VJP3518B003	CONNECTOR (MALE)	1	
P2611	VJP3518B002	CONNECTOR (MALE)	1	
P2612	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P2613	VJS3406B015	CONNECTOR (FEMALE)	1	
P2614,15	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P2616	VJS3406B019	CONNECTOR (FEMALE)	1	
P2617	VJP1232T	CONNECTOR (MALE) 5P	1	K1KA05A00102
P2618	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P2619	VJP3809E060	CONNECTOR (MALE)	1	K1KA60A00073
P2620	VJP3358C022	CONNECTOR (MALE)	1	K1KA22A00027
Q2100,01	2SD1820R	TRANSISTOR	2	
Q2103,04	2SD1820R	TRANSISTOR	2	
Q2105	2SB1219A-R	TRANSISTOR	1	
Q2200,01	2SB1073-R	TRANSISTOR	2	
Q2203-06	2SD1820R	TRANSISTOR	4	
Q2301,02	2SB1073-R	TRANSISTOR	2	
Q2401	2SB1219A-R	TRANSISTOR	1	
Q2502,03	2SD1819A-R	TRANSISTOR	2	
Q2601	2SD1819A-R	TRANSISTOR	1	
Q2702	2SB1073-R	TRANSISTOR	1	
Q2703	2SD1624-S	TRANSISTOR	1	
Q2811	2SB936A-Q	TRANSISTOR	1	
Q2812	2SD1819A-R	TRANSISTOR	1	
Q2815	2SD1819A-R	TRANSISTOR	1	
Q2816,17	2SB1073-R	TRANSISTOR	2	
Q2818	2SB936A-Q	TRANSISTOR	1	
Q2819	2SD1819A-R	TRANSISTOR	1	
Q2820	2SB1219A-R	TRANSISTOR	1	
Q2821,22	2SD1624-S	TRANSISTOR	2	
Q2823	2SB1219A-R	TRANSISTOR	1	
Q2825	2SD1819A-R	TRANSISTOR	1	
Q2826,27	2SB1073-R	TRANSISTOR	2	
Q2829	2SD1819A-R	TRANSISTOR	1	
Q2830	2SB1219A-R	TRANSISTOR	1	
Q2831,32	2SD1624-S	TRANSISTOR	2	
Q2833	2SB1219A-R	TRANSISTOR	1	
Q2835	2SD1819A-R	TRANSISTOR	1	
Q2836,37	2SB1073-R	TRANSISTOR	2	
Q2839	2SD1819A-R	TRANSISTOR	1	
Q2840	2SB1219A-R	TRANSISTOR	1	
Q2841,42	2SD1624-S	TRANSISTOR	2	
Q2843	2SB1219A-R	TRANSISTOR	1	
Q2848	2SD1819A-R	TRANSISTOR	1	
QR2101,02	UN5213	TRANSISTOR-RESISTOR	2	
QR2106	UN5213	TRANSISTOR-RESISTOR	1	
QR2150	UN5213	TRANSISTOR-RESISTOR	1	
QR2200,01	UN5213	TRANSISTOR-RESISTOR	2	
QR2305	UN5113	TRANSISTOR-RESISTOR	1	
QR2306	UN5213	TRANSISTOR-RESISTOR	1	
QR2504	UN5213	TRANSISTOR-RESISTOR	1	
QR2603	UN5214	TRANSISTOR-RESISTOR	1	
QR2701,02	UN5114	TRANSISTOR-RESISTOR	2	
QR2703,04	UN5214	TRANSISTOR-RESISTOR	2	
QR2801	UN5213	TRANSISTOR-RESISTOR	1	
QR2804	UN5214	TRANSISTOR-RESISTOR	1	
QR2809,10	UN5214	TRANSISTOR-RESISTOR	2	
QR2813	UN5214	TRANSISTOR-RESISTOR	1	
QR2814	UN5114	TRANSISTOR-RESISTOR	1	
QR2818	UN5114	TRANSISTOR-RESISTOR	1	
QR2824	UN5114	TRANSISTOR-RESISTOR	1	
QR2828	UN5114	TRANSISTOR-RESISTOR	1	
QR2834	UN5114	TRANSISTOR-RESISTOR	1	
QR2838	UN5114	TRANSISTOR-RESISTOR	1	
QR2844-46	UN5214	TRANSISTOR-RESISTOR	3	
QR2849-52	UN5212	TRANSISTOR-RESISTOR	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR2915	UN5214	TRANSISTOR-RESISTOR	1	
QR2921-23	UN5214	TRANSISTOR-RESISTOR	3	
QR2925	UN5214	TRANSISTOR-RESISTOR	1	
QR2940-43	UN5214	TRANSISTOR-RESISTOR	4	
R2102-06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R2107-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R2112	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2113	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2114	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2116	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2120	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2125-27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R2130	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2131	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2132	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R2134	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2136	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2137	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2138	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2141	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2142	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2143	ERJ8GEYJ271	M.RESISTOR CH 1/8W 270	1	
R2144	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R2145	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R2146	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R2147-50	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R2152	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2153	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2154	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2155	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2158	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2160	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2162-64	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R2167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R2172	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2178	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2179,80	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2	
R2181	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2183	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2185	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2188	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2190	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2191	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2192	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2194,95	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2196	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2197	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2201	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2205	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R2206	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R2208	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2209	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2210	ERJ8GEYJ1R5	M.RESISTOR CH 1/8W 1.5K	1	
R2211	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2K	1	
R2212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2213,14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2217	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2221	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R2222	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R2224	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2225	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2226	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2227	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2K	1	
R2228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2229,30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2231	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2232	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2238	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2241	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2246	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2247	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2249	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2250	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2251,52	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R2253	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2255	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2256	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2260	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2261	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2262	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R2263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2264	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2265	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2266	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2267	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2268-70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R2271	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2272	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2273	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2274	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2276	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2277,78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2279	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2280	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2281	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2282-85	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R2286	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2287,88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2289	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2290	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2291	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2293	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2294	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2295	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2296	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2297	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2298	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2299	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2301,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2303	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2304	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2305	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2306	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2308-10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R2312	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2313,14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2315	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2316	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2317	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2318	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R2319	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2320	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2327,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2330	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2332	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2334,35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2337,38	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	2	
R2339	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2340,41	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R2342	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2344	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2346-49	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R2356,57	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2358	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2361	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2362	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2363	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2364	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2371,72	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R2401	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2402	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2407	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2408	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2412	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2416	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2417	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2418	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2421	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2422	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2426	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2427	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2428	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2432	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2436	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2437	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2438	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2441,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2443	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2444	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2445	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2448	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R2449	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R2451	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R2461	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2468,69	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2470	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2471	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2472,73	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2503-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R2508	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2512	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2514	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2517,18	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2	
R2519,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2524	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2526	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2533	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2534	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2535	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2536	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2537-40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R2541	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2542	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2543	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2544	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2545-51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R2552,53	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R2558	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2559	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R2580	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2581	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2602	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R2604	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2605	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2607	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2609	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2620	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2621	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2636-38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R2640	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2642	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2650,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2701,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2703	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2704	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2706	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2707	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2708	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2710	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2711	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2712,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2714	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2716,17	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	2	
R2718	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R2721	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R2722	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2727-30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R2731-34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R2735	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2736	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2737,38	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	2	
R2747	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2748	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2750	ERJ8GCY0R00	M.RESISTOR CH 1/8W 0	1	
R2801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2803,04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2805	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2806	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2810,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2815-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R2819,20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2821	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2822	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2823-25	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R2826,27	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R2828	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2829	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2830	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2831,32	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2833	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2834,35	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2836	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2837	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2838	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2839	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2840,41	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2842	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2843,44	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2845	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2846	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2847,48	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R2849	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2850	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2851,52	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2853	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2854,55	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2856	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2857	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2858	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2859	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2860,61	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2862	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2863,64	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2865	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2866	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2867,68	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R2869	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2870	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2871,72	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2873	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2874,75	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2876	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2877	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2878	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2879	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2880	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R2881	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2882-84	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R2885	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2886	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2887	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2890-95	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	6	
R2897,98	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R2900,01	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2915	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2919-21	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R2922	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2923	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2924	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2925	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2926	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2932	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2933	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2934	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2935-37	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R2938,39	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R2940	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2941,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2943	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2944	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2945-47	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
SW2901	VSS0367-02B	SWITCH	1	
TG2114	EYF6CU	TEST POINT	1	
TG2300	EYF6CU	TEST POINT	1	
TP2100-02	EYF6CU	TEST POINT	3	
TP2107	EYF6CU	TEST POINT	1	
TP2113,14	EYF6CU	TEST POINT	2	
TP2116	EYF6CU	TEST POINT	1	
TP2301,02	EYF6CU	TEST POINT	2	
TP2402	EYF6CU	TEST POINT	1	
TP2501-05	EYF6CU	TEST POINT	5	
TP2601	EYF6CU	TEST POINT	1	
TP2902	EYF6CU	TEST POINT	1	
VR2101-04	EVM7JGA00B54	V.RESISTOR 50K	4	
VR2401	EVM7JGA00B54	V.RESISTOR 50K	1	
VR2402	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2501,02	EVM7JGA00B24	V.RESISTOR 20K	2	
VR2503,04	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
X2500	VSX0791	CRYSTAL OSCILLATOR	1	H0J135500004
X2601	VSX0645	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC4607	SERVO SHIELD CASE	1	
	VMS4911	PIN	1	
	XYN26+J6	SCREW	1	
■ E14	VEP03E42A	RF P.C.BOARD	1	(RTL)
C1,C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4,C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C9,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C11	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C13	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C14,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C16	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C17,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C19	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C20,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C22	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C23,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C25	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C26-28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C104	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C105,06	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C107	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C111	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C112,13	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C200	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C212	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C213	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C220,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C223,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C225	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C231	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C233	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C234	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C235,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C238	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C240,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C243-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C248-50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C251,52	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C253	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C254,55	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C257-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C261,62	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	2	
C263	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C264	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C265	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C266	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C267,68	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C269	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C270	EEVHP1HR22	E.CAPACITOR 50V 0.22U	1	
C271,72	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C300-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C311	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C312	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C313	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C314-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C319	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C320	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C321	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C324	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C400-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C408	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C409	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C410-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C417	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C418-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C422	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C423	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C424	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C425	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C426	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C427	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C428	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C429-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C432	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C433	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C434	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C435	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C500	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C509,10	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	2	
C511-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C515	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C516-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C523-26	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C527-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C530	ECUX1C154KBN	C.CAPACITOR CH 16V 0.15U	1	
C531	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C532-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C535	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C536-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
D200-03	MA142WK	DIODE	4	
D400	MA142WA	DIODE	1	
D401	MA142WK	DIODE	1	
FL1	VLF0941C223	FILTER	1	
IC1	TVHC125FT	IC	1	
IC2	TC7S04FU	IC	1	
IC3	XC62AP5002P	IC	1	
IC4	C0CBBDB00004	IC	1	
IC5	C0CBABC00049	IC	1	
IC6	XC62AP5002M	IC	1	C0CBADD00005
IC7	C0CBBDB00004	IC	1	
IC8	TVHC125FT	IC	1	
IC9	TC7S00FU	IC	1	
IC10	TC7W02FU	IC	1	
IC100	C0JBAB000180	IC	1	
IC101	TC7W00FU	IC	1	
IC200,01	TC4S69F	IC	2	C0JBAB000139
IC203	NJM062M	IC	1	C0ABBB000027
IC204	C0CBBDB00004	IC	1	
IC205,06	TC4S69F	IC	2	C0JBAB000139
IC207	NJM062M	IC	1	C0ABBB000027
IC208	UPC1663G	IC	1	C1CB00000329
IC209	TC7W32FU	IC	1	
IC210,11	TC7S04FU	IC	2	
IC300	UPC5102GS030	IC	1	C1ZBZ0001316
IC301	C0JBAB000180	IC	1	
IC302	UPC1663G	IC	1	C1CB00000329
IC303	TC7W08FU	IC	1	
IC304	C0JBAB000180	IC	1	
IC400	UPC5102GS030	IC	1	C1ZBZ0001316
IC401	UPC1663G	IC	1	C1CB00000329
IC402	NJM062M	IC	1	C0ABBB000027
IC403	TC7S86FU	IC	1	
IC404	TC4W53F	IC	1	C0JBAR000225
IC500	AN3730FA	IC	1	
IC501	AN3740FAP-A	IC	1	
IC502	MC14053BF	IC	1	C0JBAR000023
L1	VLQ0319K220	COIL 22UH	1	G1C220K00015
L2,L3	VLQ0319K101	COIL 100UH	2	G1C101K00022
L100-03	VLQ0163J2R2	COIL 2.2UH	4	G1C2R2J00009
L200-03	VLQ0163J330	COIL 33UH	4	G1C330J00004
L300,01	VLQ0163J1R0	COIL 1UH	2	G1C1R0J00008
L303	VLQ0163JR22	COIL 0.22UH	1	G1CR22J00002
L400	VLQ0163JR22	COIL 0.22UH	1	G1CR22J00002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L401	VLQ0163J1R0	COIL 1UH	1	G1C1R0J00008
L402	VLQ0163J470	COIL 47UH	1	
L403	VLQ0163JR22	COIL 0.22UH	1	G1CR22J00002
P1	VJP3978A080A	CONNECTOR (MALE)	1	
P2	VJP3358C012	CONNECTOR (MALE)	1	K1KA12A00138
P3	VJS3899D013	CONNECTOR (FEMALE)	1	K1MN13B00033
P4	VJS3898D010	CONNECTOR (FEMALE)	1	K1MN10B00053
Q1	2SB1114	TRANSISTOR	1	
Q2	2SD1280-R	TRANSISTOR	1	
Q3	2SB1218A-R	TRANSISTOR	1	
Q100	2SB709-R	TRANSISTOR	1	
Q101	2SD1819A-R	TRANSISTOR	1	
Q102,03	2SC3735B35	TRANSISTOR	2	
Q104	2SB709-R	TRANSISTOR	1	
Q105	2SD1819A-R	TRANSISTOR	1	
Q106,07	2SC3735B35	TRANSISTOR	2	
Q201	2SA1532-B	TRANSISTOR	1	
Q202-05	2SD1979	TRANSISTOR	4	
Q207	2SC3935	TRANSISTOR	1	
Q208,09	2SC2954	TRANSISTOR	2	
Q210	2SC3935	TRANSISTOR	1	
Q212,13	2SA1532-B	TRANSISTOR	2	
Q214	2SC2954	TRANSISTOR	1	
Q215	2SA1532-B	TRANSISTOR	1	
Q216-19	2SD1979	TRANSISTOR	4	
Q221,22	2SC2954	TRANSISTOR	2	
Q225,26	2SA1532-B	TRANSISTOR	2	
Q227	2SC2954	TRANSISTOR	1	
Q228	2SD1280-R	TRANSISTOR	1	
Q229	2SB1218A-R	TRANSISTOR	1	
Q230	2SB1114	TRANSISTOR	1	
Q231-34	2SK508K512	TRANSISTOR	4	
Q235	2SB1114	TRANSISTOR	1	
Q300	XN5531	TRANSISTOR-RESISTOR	1	
Q304,05	2SC3935	TRANSISTOR	2	
Q306	2SC3930-B	TRANSISTOR	1	
Q307	XN5531	TRANSISTOR-RESISTOR	1	
Q400,01	2SC3930-B	TRANSISTOR	2	
Q403	2SC3930-B	TRANSISTOR	1	
Q404	XN5531	TRANSISTOR-RESISTOR	1	
Q405	XN6435	TRANSISTOR-RESISTOR	1	
Q406-11	2SC3930-B	TRANSISTOR	6	
Q500	2SC3930-B	TRANSISTOR	1	
Q501	2SB1219A-R	TRANSISTOR	1	
QR1	UN5213	TRANSISTOR-RESISTOR	1	
QR100,01	UN5213	TRANSISTOR-RESISTOR	2	
QR200,01	UN5213	TRANSISTOR-RESISTOR	2	
QR400	UN5212	TRANSISTOR-RESISTOR	1	
QR401	UN5213	TRANSISTOR-RESISTOR	1	
R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R9	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R102	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R103	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R104	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R105	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	D0GD5R6JA003
R106	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R107	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R108,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R110	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	D0GD270JA003
R111	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R112	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R114	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R116	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R117	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	D0GD5R6JA003
R118	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R119	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R120,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R122	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	D0GD270JA003
R123	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R124	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R200-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R203-06	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R207,08	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R212,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R218	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R220	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R221	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R222,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R224	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R225,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R227	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R232	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R233,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R237	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R238,39	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R240	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R241	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R242-44	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R245-48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R249,50	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R251,52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R253	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R262,63	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R264	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R266	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R268	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R269	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R270,71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R274	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R275,76	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R277	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R278	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R280	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R287,88	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R289,90	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R291	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R292	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R293-96	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	4	
R300	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R301	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R318	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R320	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R323	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R324,25	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R326,27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R328,29	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R330	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R331	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R332-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R335,36	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R337	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R338	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R339	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R340	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R341	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R400	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R401,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R403	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R404	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R405,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R407	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R408-11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R412,13	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R414	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R415	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R416	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R417,18	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R419,20	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R421,22	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R423,24	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R425	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R426,27	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R428	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R429	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R430	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R431,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R433	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R434	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R435	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R436	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R438	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R439	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R440	ERJ3GEYG683	M.RESISTOR CH 1/16W 68K	1	
R441	ERJ3GEYG103	M.RESISTOR CH 1/16W 10K	1	
R442	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R443	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R444	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R445,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R447,48	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R449	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R450	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R455,56	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R458	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R499	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R500	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R501	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R503	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R505	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R510	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R511	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R512	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R513	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R514	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R515	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R516	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R517	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R518	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R519	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R520	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R521-23	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R524	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R526	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R527	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R528	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R529	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R530	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R531,32	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R533	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R534	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R535	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R536	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R537	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R538	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R539	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2000	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2002	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2003	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2004-07	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R2008	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2009	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2010	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2011	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2012-15	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R2016	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2018	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2023-25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R2026,27	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R2028,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R2031,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2038	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R2039	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2041-43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R2044	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R2047	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2048	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2049,50	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
TG1	EYF6CU	TEST POINT	1	
TG300	EYF6CU	TEST POINT	1	
TG500	EYF6CU	TEST POINT	1	
TH500	VRT0139K103	THERMISTOR	1	D4CC11030006
TP1	EYF6CU	TEST POINT	1	
TP100,01	EYF6CU	TEST POINT	2	
TP200-03	EYF6CU	TEST POINT	4	
TP300	EYF6CU	TEST POINT	1	
TP400-02	EYF6CU	TEST POINT	3	
TP500-08	EYF6CU	TEST POINT	9	
VR200	EVM7JGA00B13	V.RESISTOR 1K	1	
VR400,01	EVM7JGA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
	VSC4375	SHIELD CASE (LOWER)	1	
■ E15	VEP83377G	VIDEO P.C.BOARD	1	(RTL)
■	VEP83519A	VIDEO PLL P.C.BOARD	1	(RTL)FOR VEP83377G
■	VEP88234AJ	DV UCOM P.C.BOARD	1	(RTL)FOR VEP83377G
■	VEP83439A	CLS AUX P.C.BOARD	1	(RTL)FOR VEP83377G
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C1	VCK0151	C.CAPACITOR	1	F1K1C1050020
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C151	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C154	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C200	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C201	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C202	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C220,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C250,51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C303	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C502-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C508-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C601	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C602	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C603	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C604	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C605-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C627,28	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C700	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C701-03	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	F1J1E1040007
C704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C705	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C706	VCK0152	C.CAPACITOR	1	F1L1C1060016
C707	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C708	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C711	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C712	VCK0152	C.CAPACITOR	1	F1L1C1060016
C713	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C800	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C801	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C810	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C850-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C860	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C871-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C900	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C901	VCK0150	C.CAPACITOR	1	
C902	ECST1AC476R	T.CAPACITOR CH 10V 47U	1	
C903	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C904	ECST1AC476R	T.CAPACITOR CH 10V 47U	1	
C905	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C906	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C908	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C909	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C910	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C950	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C953	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C954-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C959	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
D600-02	MA715	DIODE	3	
D603	MA3J14300L	DIODE	1	
IC1	C0ZBZ0000363	IC	1	FOR VEP83519A
IC2	C0CBABC00060	IC	1	
IC4-C6	C0JBAB000220	IC	3	
IC7	CG46183-134	IC	1	
IC8	L7A1592	IC	1	C1AA00000229
IC9	MN4706F	IC	1	
IC11	MN67373	IC	1	
IC12	XC62FP2302M	IC	1	
IC17	XC62FP2302M	IC	1	
IC18	M65501FP	IC	1	C1AB00000835
IC19	C3ABKG000073	DRAM	1	
IC20	TC7W08FU	IC	1	
IC21	TC7S04FU	IC	1	
IC22	XC62FP3202P	IC	1	
IC23	C0CBABC00060	IC	1	
IC24	C0JBAB000180	IC	1	
IC26	TC7SH32FU	IC	1	
IC27	UPC2384GA	IC	1	
IC28	TVHC32FT	IC	1	
IC31-33	TC7SH32FU	IC	3	
IC36	TVHC157FT	IC	1	
IC38	TC7W241FU	IC	1	
IC39,40	TVHC367FT	IC	2	
IC41	C0JBAZ000279	IC	1	
IC43	TC7W241FU	IC	1	
IC44	XC62FP2302M	IC	1	
IC45	TVHC245FT	IC	1	
IC46	TVHC367FT	IC	1	
IC48	XC62EP3302M	IC	1	
IC49	C1AB00001250	IC	1	
IC50	AD817AR	IC	1	C0ABAB000062
IC51	XC62FP5002M	IC	1	
IC52	MB88344PFV	IC	1	C0FBBD000096
L1	VLF1151A132	COIL	1	
L1	VLP0155	COIL	1	FOR VEP83519A
L151	VLQ0464K6R8	COIL 6.8UH	1	G1C6R8K00007
L600	VLQ0319K470	COIL 47UH	1	G1C470K00013
L700,01	VLQ0319K101	COIL 100UH	2	G1C101K00022
L702	VLQ0426J1R8	COIL 1.8UH	1	G1C1R8J00007
L704	VLQ0319K101	COIL 100UH	1	G1C101K00022

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L705	VLQ0426J1R8	COIL 1.8UH	1	G1C1R8J00007
L800	VLP0155	COIL	1	
L802	VLP0155	COIL	1	
L900	VLQ0464K6R8	COIL 6.8UH	1	G1C6R8K00007
L902	VLQ0319K101	COIL 100UH	1	G1C101K00022
L903	ELJNA1R5JF	COIL 1.5UH	1	
L904	VLP0155	COIL	1	
P1	VJP3808E160	CONNECTOR (MALE)	1	K1KAG0A00004
P2	VJS3978A080F	CONNECTOR (FEMALE)	1	
P3	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P4	VJP3808E120	CONNECTOR (MALE)	1	K1KAC0A00012
P5	VJS4106A120L	CONNECTOR (FEMALE)	1	
Q600	2SB709A-R	TRANSISTOR	1	
Q700	2SB1114	TRANSISTOR	1	
QR600	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR850,51	UN2214	TRANSISTOR-RESISTOR	2	UNR221400L
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R20-22	EXB24V100J	COMBI.R-R 10	3	
R24	EXB24V100J	COMBI.R-R 10	1	
R27-30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R34	EXB24V100J	COMBI.R-R 10	1	
R36	EXB24V100J	COMBI.R-R 10	1	
R38,39	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R41	EXB24V100J	COMBI.R-R 10	1	
R43	EXB24V100J	COMBI.R-R 10	1	
R45	EXB24V100J	COMBI.R-R 10	1	
R47	EXB24V100J	COMBI.R-R 10	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R107,08	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R204	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R210-13	EXB24V103J	COMBI.R-R 10K	4	
R220-23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R224,25	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R251	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	EXB24V103J	COMBI.R-R 10K	2	
R510	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R600	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R601-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R604-06	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R611	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R612	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R613	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R614-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R623,24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R625	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R626	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R627	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R629	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R631	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R632	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R633	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R700,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R702	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R706	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R708-10	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R712	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R713	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R714	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R715	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R719	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R721,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R724	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R725	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R851	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R852	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R853,54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R857	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R900	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R901	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R902	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R903,04	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R905,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R950-52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R953-55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
TG1,G2	EYF6CU	TEST POINT	2	
TP1-P3	EYF6CU	TEST POINT	3	
TP6	EYF6CU	TEST POINT	1	
TP8-13	EYF6CU	TEST POINT	6	
X1	VSX0847	CRYSTAL OSCILLATOR	1	H0J270500019
		MISCELLANEOUS		
	XYN26+C35	SCREW	7	
	VMS6135	P.C.B. POST (26SP-6)	3	
	VMS6279	SPACER	2	
	XQN26+A3	SCREW	3	
	VMZ2835	INSULATION SHEET	1	
■ E16	VEP81180E	POWER P.C.BOARD	1	(RTL)
C1001,02	VCEA1DAP680	E.CAPACITOR 20V 68U	2	F2D1D6800001
C1003	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C1004	EEVHP0J220	E.CAPACITOR 6.3V 22U	1	
C1005	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1006	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C1008	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1009	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1010	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C1011	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C1012	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1013	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C1014	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1015	VCEA1DAP101	E.CAPACITOR 20V 100U	1	F2D1D1010001
C1017	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	F2D0J1510001
C1018	VCEA0JAP470	C.CAPACITOR 6.3V 47P	1	F2D0J4700001
C1019	VCEA1DAP680	E.CAPACITOR 20V 68U	1	F2D1D6800001
C1021	VCEA1AAP101	E.CAPACITOR 10V 100U	1	F2D1A1010002
C1022	VCEA1AAP330	E.CAPACITOR 10V 33U	1	F2D1A3300001
C1023	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1024	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1025	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C1026	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1027,28	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C1029	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1030	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1031	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1032	VCEA1DAP680	E.CAPACITOR 20V 68U	1	F2D1D6800001
C1034	VCEA1AAP101	E.CAPACITOR 10V 100U	1	F2D1A1010002
C1035	VCEA1DAP680	E.CAPACITOR 20V 68U	1	F2D1D6800001
C1036	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1037,38	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C1039	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1040,41	ECA1EFQ221	E.CAPACITOR 25V 220U	2	
C1043	VCEA1CAP101	E.CAPACITOR 16V 100U	1	F2D1C1010001
C1044	EEUFA1C471	E.CAPACITOR 16V 470U	1	
C1045	VCEA1AAP330	E.CAPACITOR 10V 33U	1	F2D1A3300001
C1050	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1051	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1052	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1053	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1054,55	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	F1J1E1040007
C1056	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1057	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C1058	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C1059	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1060	VCEA1DAP680	E.CAPACITOR 20V 68U	1	F2D1D6800001
C1063	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1064	VCEA1AAP330	E.CAPACITOR 10V 33U	1	F2D1A3300001
C1065	VCEA1DAP101	E.CAPACITOR 20V 100U	1	F2D1D1010001
C1067	VCEA1AAP101	E.CAPACITOR 10V 100U	1	F2D1A1010002
C1068	VCEA1AAP330	E.CAPACITOR 10V 33U	1	F2D1A3300001
C1069	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1070	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1071	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C1072	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1073	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C1074	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	F1J1E1040007
C1076	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C1079	VCEA1DAP680	E.CAPACITOR 20V 68U	1	F2D1D6800001
C1082	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	F2D0J1510001
C1083	VCEA1AAP330	E.CAPACITOR 10V 33U	1	F2D1A3300001
C1085	VCEA1CAP101	E.CAPACITOR 16V 100U	1	F2D1C1010001
C1086	VCEA1CAP330	C.CAPACITOR 16V 33U	1	F2D1C3300002
C1087	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C1088-94	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
D1001	MA142WK	DIODE	1	
D1002-05	NSQ03A04	DIODE	4	B0JCPE000013
D1006	SFPB-76V	DIODE	1	
D1007	MA739	DIODE	1	
D1008,09	MA8068-H	DIODE	2	
D1010	SFPB-76V	DIODE	1	
D1011-13	MA8068-H	DIODE	3	
D1014	MA8043-H	DIODE	1	
D1015-18	NSQ03A04	DIODE	4	B0JCPE000013
D1019-22	MA142WK	DIODE	4	
D1028	NSQ03A04	DIODE	1	B0JCPE000013
D1029	MA8100-H	DIODE	1	
D1030	NSQ03A04	DIODE	1	B0JCPE000013
D1032	MA142WK	DIODE	1	
D1034	NSQ03A04	DIODE	1	B0JCPE000013
IC1001-04	TL1451CNS	IC	4	C0DBAMA00001
L1001	VLQ0856	COIL	1	
L1002	VLQ0319K100	COIL 10UH	1	G1C100K00023
L1003	VLQ0441K1R0	COIL 1.0UH	1	
L1004	VLQ0821	COIL	1	
L1005	VLQ0407100M	COIL 10UH	1	G0A100H00003
L1006	VLQ0441K1R0	COIL 1.0UH	1	
L1007	VLQ0642	COIL	1	
L1008	VLQ0857	COIL	1	
L1009	VLQ0441K1R0	COIL 1.0UH	1	
L1010	VLQ0765	COIL	1	G4ZZ00000309
L1011	VLQ0417	COIL 10UH	1	
L1012	VLQ0441K1R0	COIL 1.0UH	1	
L1013,14	VLQ0613M100	COIL 10UH	2	G0A100H00009
L1015	VLQ0441K1R0	COIL 1.0UH	1	
L1016	VLQ0642	COIL	1	
L1017	VLQ0613M100	COIL 10UH	1	G0A100H00009
L1018	VLQ0441K1R0	COIL 1.0UH	1	
L1019	VLQ0642	COIL	1	
L1020	VLQ0613M100	COIL 10UH	1	G0A100H00009
L1021	VLQ0441K1R0	COIL 1.0UH	1	
L1023	VLQ0417	COIL 10UH	1	
L1024	VLQ0642	COIL	1	
L1025	VLQ0613M100	COIL 10UH	1	G0A100H00009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1026-32	VLP0353	COIL	7	
P1001	VJP1244T	CONNECTOR (MALE) 4P	1	K1KA04B00063
P1002	VJP2739B013	CONNECTOR (MALE)	1	K1KA13B00035
Q1001	2SD1820A-R	TRANSISTOR	1	
Q1002	2SB1219A-R	TRANSISTOR	1	
Q1003	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1004	2SD1820A-R	TRANSISTOR	1	
Q1005	2SB1219A-R	TRANSISTOR	1	
Q1006	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1007	2SD1820A-R	TRANSISTOR	1	
Q1008	2SB1219A-R	TRANSISTOR	1	
Q1009	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1010	2SB1219A-R	TRANSISTOR	1	
Q1011	2SD1820A-R	TRANSISTOR	1	
Q1012	2SB1219A-R	TRANSISTOR	1	
Q1013	2SK1748-Z	TRANSISTOR	1	
Q1015	2SD1820A-R	TRANSISTOR	1	
Q1016	2SB1219A-R	TRANSISTOR	1	
Q1017	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1018	2SD1820A-R	TRANSISTOR	1	
Q1019	2SB1219A-R	TRANSISTOR	1	
Q1020	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1024	2SD1820A-R	TRANSISTOR	1	
Q1025	2SB1219A-R	TRANSISTOR	1	
Q1026	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1027	2SD1820A-R	TRANSISTOR	1	
Q1028	XN0440100L	TRANSISTOR	1	
Q1029	2SD1820A-R	TRANSISTOR	1	
Q1030	XN0440100L	TRANSISTOR	1	
Q1031	2SD1820A-R	TRANSISTOR	1	
Q1032	XN0440100L	TRANSISTOR	1	
Q1033	2SD1820A-R	TRANSISTOR	1	
Q1034	XN0440100L	TRANSISTOR	1	
Q1035	2SD1820A-R	TRANSISTOR	1	
Q1042	XN0440100L	TRANSISTOR	1	
Q1043	2SD1820A-R	TRANSISTOR	1	
Q1044	XN0440100L	TRANSISTOR	1	
Q1045	2SD1820A-R	TRANSISTOR	1	
Q1046	XN0440100L	TRANSISTOR	1	
Q1047	2SD1820A-R	TRANSISTOR	1	
Q1051	2SD1820A-R	TRANSISTOR	1	
QR1001	UN5112	TRANSISTOR-RESISTOR	1	
QR1002-08	UN5211	TRANSISTOR-RESISTOR	7	
QR1010	UN5211	TRANSISTOR-RESISTOR	1	
QR1017	2SD1820A-R	TRANSISTOR	1	
QR1018	UN5111	TRANSISTOR-RESISTOR	1	
R1001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1002	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1003	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1004-07	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1008	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1009	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R1010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1011,12	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1013	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1014	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1015	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1016	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1017	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1019	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1020	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1023-26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1027	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1028	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R1029	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1030,31	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1032	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1034	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1037	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1038	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1039	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1040	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1041	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1042	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	1	
R1043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1044	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1045	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R1047	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R1048	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1050-53	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1055	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1056	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1057	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1058,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R1060	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R1061	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R1062	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1063	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1064	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1067	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1068	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1069	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1071-74	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1075	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R1076	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R1077	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1080,81	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1085	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R1087	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1088	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1089	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1091	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1092	ERJ6GEYJ120	M.RESISTOR CH 1/10W 12	1	
R1093	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1094	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1095	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1096	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1097	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1098	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1099	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1100	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1102	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1104	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1105	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1106	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1109	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1110	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1125	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1126	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1127	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1128	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1129	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1133	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1134	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1135	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1140	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1141	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1142	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1143	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1144	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1147	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1148	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1151	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
T1001	VTP0514	TRANSFORMER	1	G4D1A0000033
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
TP1003	EYF6CU	TEST POINT	1	
TP1005	EYF6CU	TEST POINT	1	
TP1009	EYF6CU	TEST POINT	1	
TP1016	EYF6CU	TEST POINT	1	
TP1036	EYF6CU	TEST POINT	1	
TP1056	EYF6CU	TEST POINT	1	
TP1111	EYF6CU	TEST POINT	1	
TP1136	EYF6CU	TEST POINT	1	
TP1156	EYF6CU	TEST POINT	1	
TP1195	EYF6CU	TEST POINT	1	
VR1001	EVM7JGA00B13	V.RESISTOR 1K	1	
VR1003	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1005	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1009	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1016	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1036	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1056	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1156	EVM7JGA00B23	V.RESISTOR 2K	1	
		MISCELLANEOUS		
	VMP5582	P.C.B. ANGLE (UPPER)	1	
	XYN3+K8	SCREW	1	
	VEE0F71	CABLE	1	
■ E17	VEP01850B	REAR JACK P.C.BOARD	1	(RTL)
C1020	EEVHB1V220P	E.CAPACITOR 35V 22U	1	
C1021	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C1022	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C1023	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C1024,25	ECQP1682JZ	P.CAPACITOR 100V 6800P	2	
C1026	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1029	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1030	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1031	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C1032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1033	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C1034	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1035	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1036	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C1037	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C1038	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1039	VCC0030	C.CAPACITOR	1	
C1040	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C1041	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1042,43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1050-65	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	16	
C1066	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
⚠ CP1001	VSQ0834	CIRCUIT PROTECTOR	1	K5JDHB000002
D1001	RK34	DIODE	1	B0JANE000005
D1002,03	MA142K	DIODE	2	
FL1001	EIR7QF012B	TRANSFORMER	1	
FL1002	VLF0941C223	FILTER	1	
IC1001	NJM4558M-D	IC	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1001	VLQ0423J472	COIL 4700UH	1	
L1010	VLP0320	COIL	1	
L1011,12	VLF1151A132	COIL	2	
L1013,14	VLF1315A102	FILTER	2	J0JHC0000015
L1016-23	VLF1315A102	FILTER	8	J0JHC0000015
L1025	VLF1315A102	FILTER	1	J0JHC0000015
L1027	VLF1315A102	FILTER	1	J0JHC0000015
L1029	VLF1315A102	FILTER	1	J0JHC0000015
L1031,32	VLF1315A102	FILTER	2	J0JHC0000015
L1034	VLF1315A102	FILTER	1	J0JHC0000015
P1001	VJP3810E040	CONNECTOR (MALE)	1	K1KA40A00111
P1003	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
P1004	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1006	VJP2824B002	CONNECTOR (MALE)	1	K1KA02B00007
P1007	VJP2824A003	CONNECTOR (MALE) 3P	1	K1KA03A00008
P1008	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P1009	VJP3518B002	CONNECTOR (MALE)	1	
P1010	VJP3518B008	CONNECTOR (MALE)	1	
P1011	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1012	VJP3125B004	CONNECTOR (MALE)	1	K1KA04B00113
P1014	VJP3125B004	CONNECTOR (MALE)	1	K1KA04B00113
P1015	VJP3098B050	CONNECTOR (MALE)	1	K1KA50B00060
P1016,17	VJS3551A	AUDIO IN CONNECTOR	2	K1AB103B0012
P1018	VJP3551	CONNECTOR (MALE)	1	K1AA103B0008
Q1001	2SJ280S	TRANSISTOR	1	B1DHJG000001
Q1003	2SD874-R	TRANSISTOR	1	
Q1004	2SB779-R	TRANSISTOR	1	
Q1005	2SD1819A-R	TRANSISTOR	1	
Q1006-08	2SD1979	TRANSISTOR	3	
Q1009	2SB1220-R	TRANSISTOR	1	
Q1010,11	2SD1821-R	TRANSISTOR	2	
QR1001-06	UN5113	TRANSISTOR-RESISTOR	6	
R1001	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1002	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R1005-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
⚠ R1015	VRT01512R2	THERMISTOR	1	D4DA92R20001
R1016	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R1020	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1021	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1022	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1023	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1024	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1025	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1029	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1032,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1034	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1035	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1036	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1037	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1038	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1040	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1041	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1042	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1043	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1044	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1045	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1046,47	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1048	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
T1001	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
VR1001	VRV0161B503	V.RESISTOR 50K	1	
VR1002	VRV0161B103	V.RESISTOR 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMP4846	JACK P.C.B. ANGLE	1	
	XYN3+K6	SCREW	1	
	XWC3B	WASHER	1	
■ E18	VEP00Z35A	POWER SW P.C.BOARD	1	(RTL)
P9601	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
SW9601	VST0076	SWITCH	1	K0E112G00013
■ E19	VEP00Z30A	ALARM/MONITOR P.C.BOARD	1	(RTL)
D9101	MA165	DIODE	1	MA2C165001VT
P9101	VJP1613T	CONNECTOR (MALE)	1	K1KA09B00029
SW9101	EVQQS205K	SWITCH	1	
VR9101,02	VRV0099A	V.RESISTOR	2	D2BBC14Y0002
		MISCELLANEOUS		
	VMG0945	VR SHIELD RUBBER	1	
■ E20	VEP00Z31A	TOGGLE SW P.C.BOARD	1	(RTL)
D9301-07	MA165	DIODE	7	MA2C165001VT
P9301	VJP1600T	CONNECTOR (MALE)	1	K1KA07A00066
SW9301	VST0326	SWITCH	1	K0E112G00009
SW9302-04	VST0327	SWITCH	3	K0E112G00010
		MISCELLANEOUS		
	VMP5579	SW HOLDER ANGLE	1	
	VJF0496	CLAMPER	2	
■ E21	VEP00Z32A	VAR SHUTTER P.C.BOARD	1	(RTL)
D9801,02	MA165	DIODE	2	MA2C165001VT
P9801	VJP1596T	CONNECTOR (MALE)	1	K1KA03A00113
SW9801,02	EVQQSB04B	SWITCH	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E22	VEP00Z33A	SUPER IRIS P.C.BOARD	1	(RTL)
D9701,02	MA165	DIODE	2	MA2C165001VT
P9701	VJP1607T	CONNECTOR (MALE)	1	K1KA03B00051
SW9701,02	EVQQSB04B	SWITCH	2	
■ E23	VEP00Z34A	PIX LINK P.C.BOARD	1	(RTL)
D9501	MA165	DIODE	1	MA2C165001VT
P9501	VJP1607T	CONNECTOR (MALE)	1	K1KA03B00051
SW9501	EVQQSB04B	SWITCH	1	
■ E24	VEP04727B	AUDIO LCD P.C.BOARD	1	(RTL)
C4001	ECA1CM221	E.CAPACITOR 16V 220U	1	
C4002	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4003-06	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C4007	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4008	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4009-11	EEVHB1C100	E.CAPACITOR 16V 10U	3	
C4012-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C4018,19	ECHU1H102JB	P.CAPACITOR 50V 1000P	2	
C4020,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4022	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4023	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4024,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4026	ECA1CM221	E.CAPACITOR 16V 220U	1	
C4027	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4028	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4029	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4030	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4031	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4032,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4034	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4035-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4039,40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4041	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4042	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4043	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4044	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4045	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4046	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4047,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4049,50	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4051,52	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4053	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4054	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4055	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C4056	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4057,58	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C4059,60	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4061,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4063-65	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C4068-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4081,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4083	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4101	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4102,03	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4106	ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C4107,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4109	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4116,17	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4118	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4119	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4126,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4128	ECHU1C472JB	P.CAPACITOR 16V 4700P	1	
C4129	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4130	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4131	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4132	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4133	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4134	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4137	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4138	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4139	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4140	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4141	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4142	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4143,44	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C4145,46	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4147,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4152	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4153	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C4155	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4157	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4158	EEVHB0G101	E.CAPACITOR 4V 100U	1	
C4159	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4160,61	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4164,65	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4166	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4167	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4168,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4170	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C4171	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4201	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4202,03	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4206	ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C4207,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4209	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4216,17	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4218	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4219	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4226,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4228	ECHU1C472JB	P.CAPACITOR 16V 4700P	1	
C4229	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4230	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4232	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4233	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4234	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4237	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4238	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4239	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4240	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4241	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4242	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4243,44	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C4245,46	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4247,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4252	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4253	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C4255	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4257	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4258	EEVHB0G101	E.CAPACITOR 4V 100U	1	
C4259	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4260,61	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4264,65	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4266	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4267	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4268,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4270	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C4271	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4304	EEVHB1C470	E.CAPACITOR 16V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4305	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4306	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4308	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C4309	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C4408	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C4409	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C4501,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4508	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4509	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4510	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4511	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4512	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C4513	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4514	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4515	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4516,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4519	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4520	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4521,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4523,24	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C4601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4602	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4604	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4606,07	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C4608-10	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	3	
C4611	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4701	ECA1EFQ820	E.CAPACITOR 25V 82U	1	
C4702	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C4703	EEUFA1J680	E.CAPACITOR 63V 68U	1	
C4704	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4705	EEUFA1J680	E.CAPACITOR 63V 68U	1	
C4707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4708	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4709	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4710	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4711	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4712,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4801-03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3	
C4804	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6502	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6503	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6504	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C6505-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6508	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6510,11	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C6512,13	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6525	EEVHB1V220P	E.CAPACITOR 35V 22U	1	
C6529	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6530	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
D4001,02	MA3J14300L	DIODE	2	
D4003	MA142K	DIODE	1	
D4004	MA3J14300L	DIODE	1	
D4101,02	MA3J14300L	DIODE	2	
D4103	MA142K	DIODE	1	
D4105,06	MA142K	DIODE	2	
D4107	MA714	DIODE	1	
D4201,02	MA3J14300L	DIODE	2	
D4203	MA142K	DIODE	1	
D4205,06	MA142K	DIODE	2	
D4207	MA714	DIODE	1	
D4601	MA142K	DIODE	1	
D4604,05	MA714	DIODE	2	
D4701	B0JCML000002	DIODE	1	
D4702	MA3J14300L	DIODE	1	
D4703	MA714	DIODE	1	
D6501	MA704	DIODE	1	
D6502-07	LNJ310M6URA	DIODE	6	
D6508	HZ16-1L	DIODE	1	B0BA01500032
D6509,10	LNJ310M6URA	DIODE	2	
D6511,12	MA142K	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D6513	BR3902S	DIODE	1	B3AAA0000432
D6514-18	MA142K	DIODE	5	
D6520,21	MA142K	DIODE	2	
D6523-30	MA142K	DIODE	8	
D6532	MA142K	DIODE	1	
D6534-40	MA142K	DIODE	7	
D6541,42	LNJ310M6URA	DIODE	2	
D6544-46	MA142K	DIODE	3	
DP6501	EDD074YG1A4P	LCD	1	
FL4501	VLF1069	FILTER	1	G4ZZ00000278
IC4001	UPC5022GA144	IC	1	C1ZBZ0001311
IC4002	C0ABEB000034	IC	1	
IC4003	C0JBAB000196	IC	1	
IC4004	MC14053BF	IC	1	C0JBAR000023
IC4005	NJM2904M	IC	1	
IC4006	C0ABEB000034	IC	1	
IC4007	C0CBABC00049	IC	1	
IC4008	AK4503VF	IC	1	
IC4009	BA6138F	IC	1	
IC4010	C0ABEB000034	IC	1	
IC4011	C0JBAR000242	IC	1	C0JBAR000021
IC4012	MC14053BF	IC	1	C0JBAR000023
IC4013	NJM2073M	IC	1	
IC4014	C0JBAZ000279	IC	1	
IC4015-17	C0ABEB000034	IC	3	
IC4018	NJM2122M	IC	1	
IC4019	TVHC11FT	IC	1	
IC4020	TVHC86FT	IC	1	
IC4021	TVHC00FT	IC	1	
IC4022	C0JBAA000117	IC	1	
IC4023	NJM78L12UA	IC	1	C0CBAKC00001
IC4101	NJM2122M	IC	1	
IC4102	C0ABEB000034	IC	1	
IC4103	C0ABBB000124	IC	1	C0ABBB000123
IC4105	C0JBAR000242	IC	1	C0JBAR000021
IC4201	NJM2122M	IC	1	
IC4202	C0ABEB000034	IC	1	
IC4203	C0ABBB000124	IC	1	C0ABBB000123
IC4205	C0JBAR000242	IC	1	C0JBAR000021
IC4501	MC14053BF	IC	1	C0JBAR000023
IC4502	C0ABEB000034	IC	1	
IC4503	C1BB00000311	IC	1	
IC4602	MN13821-R	IC	1	
IC4603	UPD75328G769	IC	1	C2ABEC000019
IC4604	C0CBADD00003	IC	1	
IC4701	LM2577MX-ADJ	IC	1	C0CAAZH00001
IC4702	C0ABEB000034	IC	1	
IC4703	C0JBAA000117	IC	1	
IC4704	NJM386M	IC	1	C1BB00000134
IC6501	UPD75316BE88	IC	1	C2ABFC000029
IC6503	S81350HG	IC	1	C0CAADB00003
IC6504	MN13821-R	IC	1	
IC6505	NJU7112AM	IC	1	
L4003,04	VLQ0163J100	COIL 10UH	2	G1C100J00001
L4101,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L4201,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L4701	VLQ0407680K	COIL 68UH	1	G0A680G00002
L4702	VLQ0621	COIL	1	
L4801	VLP0147	COIL	1	
P4001	VJP3098B050	CONNECTOR (MALE)	1	K1KA50B00060
P4003	VJP1616T	CONNECTOR (MALE)	1	K1KA12B00050
P4004	VJP1609T	CONNECTOR (MALE)	1	K1KA05B00059
P4005	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P6501	VJP1944T	CONNECTOR (MALE)	1	K1KA14B00046
PC4001	MCD5223	IC	1	B3RAC0000004
Q4001	2SD1819A-R	TRANSISTOR	1	
Q4002	2SD602A-S	TRANSISTOR	1	
Q4003	2SB0710ARL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4004	2SK663-R	TRANSISTOR	1	
Q4007	2SB1219-R	TRANSISTOR	1	
Q4008	2SB1220-R	TRANSISTOR	1	
Q4009,10	2SD1979	TRANSISTOR	2	
Q4101-03	2SD1819A-R	TRANSISTOR	3	
Q4107	2SD1979	TRANSISTOR	1	
Q4110	2SD1979	TRANSISTOR	1	
Q4111,12	2SB1220-R	TRANSISTOR	2	
Q4201-03	2SD1819A-R	TRANSISTOR	3	
Q4207	2SD1979	TRANSISTOR	1	
Q4210	2SD1979	TRANSISTOR	1	
Q4211,12	2SB1220-R	TRANSISTOR	2	
Q4302	2SD1979	TRANSISTOR	1	
Q4305-07	2SD1979	TRANSISTOR	3	
Q4402	2SD1979	TRANSISTOR	1	
Q4405-07	2SD1979	TRANSISTOR	3	
Q4702,03	2SD1979	TRANSISTOR	2	
Q4704	2SD874-R	TRANSISTOR	1	
Q4705	2SB766-R	TRANSISTOR	1	
Q6501,02	2SD968-R	TRANSISTOR	2	
Q6503	2SD602A-S	TRANSISTOR	1	
QR4001	UN5113	TRANSISTOR-RESISTOR	1	
QR4006	UN5213	TRANSISTOR-RESISTOR	1	
QR4007	UN5113	TRANSISTOR-RESISTOR	1	
QR4010	UN5213	TRANSISTOR-RESISTOR	1	
QR4012	UN5213	TRANSISTOR-RESISTOR	1	
QR4013	UN5113	TRANSISTOR-RESISTOR	1	
QR4102,03	UN5113	TRANSISTOR-RESISTOR	2	
QR4104	UN521F	TRANSISTOR-RESISTOR	1	
QR4105	UN5113	TRANSISTOR-RESISTOR	1	
QR4106	UN521F	TRANSISTOR-RESISTOR	1	
QR4107	UN5213	TRANSISTOR-RESISTOR	1	
QR4108	UN5113	TRANSISTOR-RESISTOR	1	
QR4109	UN5213	TRANSISTOR-RESISTOR	1	
QR4110	UN5113	TRANSISTOR-RESISTOR	1	
QR4201	UN5213	TRANSISTOR-RESISTOR	1	
QR4202,03	UN5113	TRANSISTOR-RESISTOR	2	
QR4204	UN521F	TRANSISTOR-RESISTOR	1	
QR4205	UN5113	TRANSISTOR-RESISTOR	1	
QR4206	UN521F	TRANSISTOR-RESISTOR	1	
QR4207	UN5213	TRANSISTOR-RESISTOR	1	
QR4208	UN5113	TRANSISTOR-RESISTOR	1	
QR4209	UN5213	TRANSISTOR-RESISTOR	1	
QR4210	UN5113	TRANSISTOR-RESISTOR	1	
QR4301,02	UN5113	TRANSISTOR-RESISTOR	2	
QR4303,04	UN5213	TRANSISTOR-RESISTOR	2	
QR4401,02	UN5113	TRANSISTOR-RESISTOR	2	
QR4403,04	UN5213	TRANSISTOR-RESISTOR	2	
QR4601	UN5213	TRANSISTOR-RESISTOR	1	
QR6501	UN5211	TRANSISTOR-RESISTOR	1	
QR6502-04	UN5213	TRANSISTOR-RESISTOR	3	
R4001	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4002	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R4003	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4004,05	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R4006	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4013,14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4015-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4018	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4021,22	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4023	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R4024	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4026	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4027	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4035	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4037	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4040	ERJ6RED164	M.RESISTOR CH 3W 160K	1	
R4042	ERJ6RED164	M.RESISTOR CH 3W 160K	1	
R4046	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4047	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4048	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4064,65	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4068,69	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4070,71	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	2	
R4073	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4074,75	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4076	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4077	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4079	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4084,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4086	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4087	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4088	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4089	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4090-93	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	4	
R4094	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4101	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4102	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4103	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4106	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4110	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4111	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4113	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4115	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4116	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4117	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4118,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4120	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4121	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4124	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4125	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4130	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4131,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4134	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4135	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1	
R4136	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4142	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4144	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4145	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4146	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4147	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4148	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4149,50	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4151,52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4153,54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4160	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4161	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4162	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4163	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4164-66	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	3	
R4183	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4184	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4186	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4187	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4189	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4190	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4191	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4192	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R4193-96	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	4	
R4197	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4201	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4202	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4203	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4206	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4210	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4211	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4212	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4213	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4214	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4215	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4217	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4218,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4220	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4221	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4223	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4224	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4225	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4231,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4234	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4235	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1	
R4236	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4242	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4244	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4245	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4246	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4247	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4248	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4249,50	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4251,52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4253,54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4255	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4260	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4261	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4262	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4263	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4264-66	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	3	
R4283	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4284	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4287	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4289	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4290	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4291	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4292	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R4293-96	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	4	
R4297	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4301	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R4302	ERJ12YJ181	M.RESISTOR CH 1/2W 180	1	
R4303,04	ERJ14YJ681	M.RESISTOR CH 1/4W 680	2	
R4305,06	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4307	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4308	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4309	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R4310	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4311	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4318	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4319	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4320	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4321	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4322	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4328	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4332	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4334	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4335	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4336	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4338	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4339	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4340	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4341	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4344	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4401	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R4402	ERJ12YJ181	M.RESISTOR CH 1/2W 180	1	
R4403,04	ERJ14YJ681	M.RESISTOR CH 1/4W 680	2	
R4405,06	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4407	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4408	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4409	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R4410	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4411	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4418	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4419	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4421	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4422	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4426	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4427	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4428	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4432	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4434	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4435	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4436	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4437	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4438	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4439	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4440	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4441	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4444	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4502	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4503	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4509	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4510	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4512	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4515	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4516	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4517	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4518	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4522	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4524	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R4525	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4526	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4527	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4529,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R4555,56	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4601	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4602	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4603	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4604	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1	
R4605-39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	35	
R4640	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4641,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4643-45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4646-48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R4649	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4701	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4702	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R4704	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4705	ERJ6RBD683	M.RESISTOR CH 1/10W 68K	1	
R4706	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R4707	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R4708	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4710	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4712	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4713-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R4719,20	ERJ6GEYJ2R2	M.RESISTOR CH 1/10W 2.2	2	
R4725	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4728	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4807,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4811	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6501	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6502	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6503	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R6504,05	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	2	
R6506	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R6507	ERJ6GEYG155	M.RESISTOR CH 1/10W 1.5M	1	
R6508	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6509,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6512-14	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R6515	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6516	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6517	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6518	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6519,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6521	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6522	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6531	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6532	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6534-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R6542	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6550,51	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R6552	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6553	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6554-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R6562-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R6566-70	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R6573	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R6574	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R6575	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6576	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
RY4101,02	VSY2070	RELAY	2	
RY4201,02	VSY2070	RELAY	2	
SW4001	VSS0342	SWITCH	1	K0D112B00056
SW4101	VSS0342	SWITCH	1	K0D112B00056
SW4102	ESD11H230	SWITCH	1	
SW4201	VSS0342	SWITCH	1	K0D112B00056
SW4202	ESD11H230	SWITCH	1	
SW4701	VSS0367-06B	SWITCH	1	K0D161A00001
SW6501	VSS0186	SWITCH	1	K0D112A00047
SW6502	VSS0187	SWITCH	1	K0D113A00036
SW6503,04	VSS0186	SWITCH	2	K0D112A00047
SW6505	VSS0187	SWITCH	1	K0D113A00036
SW6507	EVQQSB04B	SWITCH	1	
SW6508-10	VSS0187	SWITCH	3	K0D113A00036
SW6511	EVQQS205K	SWITCH	1	
SW6512-15	VSS0186	SWITCH	4	K0D112A00047
SW6516	EVQQSB04B	SWITCH	1	
SW6517	VSS0187	SWITCH	1	K0D113A00036
SW6524-26	EVQQS205K	SWITCH	3	
T4701	VLT0623	TRANSFORMER	1	
TG4001	EYF6CU	TEST POINT	1	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201,02	EYF6CU	TEST POINT	2	
TP4301	EYF6CU	TEST POINT	1	
TP4401	EYF6CU	TEST POINT	1	
TP4501	EYF6CU	TEST POINT	1	
TP4505	EYF6CU	TEST POINT	1	
TP4601,02	EYF6CU	TEST POINT	2	
TP6501-04	EYF6CU	TEST POINT	4	
VR4001	EVM7JGA00B23	V.RESISTOR 2K	1	
VR4002	EVM7JGA00B53	V.RESISTOR 5K	1	
VR4101	VRV0080	V.RESISTOR	1	D2BCA14A0001
VR4102,03	EVM7JGA00B14	V.RESISTOR 10K	2	
VR4201	VRV0080	V.RESISTOR	1	D2BCA14A0001
VR4202,03	EVM7JGA00B14	V.RESISTOR 10K	2	
VR4301	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4401	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4501	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4503	EVM7JGA00B54	V.RESISTOR 50K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR4701	EVM7JGA00B14	V.RESISTOR 10K	1	
X4601	VSX0140	CRYSTAL OSCILLATOR	1	
X6501	VSX0094C	CRYSTAL OSCILLATOR	1	
X6502	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VGQ4723	SPACER	1	
	VWB0123	CLAMPER	3	
	VMX1144	LED SPACER	1	
	VGL0915	BACK LIGHT BASE	1	
	VEE0F72	PHANTOM 2 CABLE	1	
■ E25	VEP00W08B	HEAD PHONE P.C.BOARD	1	(RTL)
C9201,02	ECKF1H102ZF	C.CAPACITOR 50V 1000P	2	
J9201	VJJ0522	JACK	1	K2HC103B0082
L1,L2	VLP0147	COIL	2	
P9201	VJP1608T	CONNECTOR (MALE)	1	K1KA04B00064
■ E26	VEP00X87A	DC INPUT P.C.BOARD	1	(RTL)
D1	S3V40	DIODE	1	
		MISCELLANEOUS		
	VJP2717	CONNECTOR (MALE)	1	K1AA104H0021
	VEE9423	EXT DC CABLE	1	
■ E27	VEP20537A	FRONT TOGGLE P.C.BOARD	1	(RTL)
P1	VJS2949B015	CONNECTOR (FEMALE)	1	K1MN15B00016
P2	VJP1598T	CONNECTOR (MALE) 5P	1	K1KA05A00104
P3	VJP1608T	CONNECTOR (MALE)	1	K1KA04B00064
P4	VJP1597T	CONNECTOR (MALE) 4P	1	K1KA04A00130
R1	ERDS2T0	C.RESISTOR 1/4W 0	1	
R2	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R3	ERDS2TJ183	C.RESISTOR 1/4W 18K	1	
R4	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
SW1	VST0194	SWITCH	1	K0E132A00002
SW2	VST0195	SWITCH	1	K0E132A00003
		MISCELLANEOUS		
	VMP4839	SW HOLDER ANGLE	1	
■ E28	VEP20538A	FRONT P.C.BOARD	1	(RTL)
P1	VJP1608T	CONNECTOR (MALE)	1	K1KA04B00064

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW1	EVQQSB05G	SWITCH	1	
SW2	VRV0270	SWITCH	1	
■ E29	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
D6001-03	B3AAB0000044	LED	3	
P501	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
SW6001-05	EVQPHL03T	SWITCH	5	
		MISCELLANEOUS		
	VEE9417	P.C.B. INT CABLE	1	
■ E30	VEP80858A	BACK TALLY LED P.C.BOARD	1	(RTL)
D1	TLRA116	DIODE	1	
SW1	VST0131	SWITCH	1	K0E122A00016
		MISCELLANEOUS		
	VEE9418	CABLE	1	
	VMX2126	LED SPACER	1	
■ E31	VEP80A14E	FRONT MIC P.C.BOARD	1	(RTL)
C1	ECKF1H472KB	C.CAPACITOR 50V 4700P	1	
C2,C3	ECKF1H102KB	C.CAPACITOR 50V 1000P	2	
L5-L7	VLP0147	COIL	3	
P1	VJS3417	CONNECTOR (FEMALE)	1	K1AB103A0007
P2	VJP2261	CONNECTOR (MALE)	1	K1KA03B00052
		MISCELLANEOUS		
	VEE0F40	EARTH CABLE	1	
■ E32	VEP80A33A	BNC P.C.BOARD	1	(RTL)
P1	VJP1608T	CONNECTOR (MALE)	1	K1KA04B00064
P2	VJP1607T	CONNECTOR (MALE)	1	K1KA03B00051
R1-R7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
■ E33	VEP80A73A	BACK UP BATTERY P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	BCR20H4	BUTTON BATTERY HOLDER	1	
	VEE0D26	BATT CABLE	1	
■ E34	VEP86266A	MEMORY CARD FLEX P.C.B.	1	(RTL)
C1-C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
IC1-C5	NVHC04FT	IC	5	
P1	VJS3978A060A	CONNECTOR (FEMALE)	1	
R1-17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	17	
R18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R22	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R30	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R32	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R33	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R40	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R42	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R43	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R45	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R46	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
		MISCELLANEOUS		
	VJP3839	CONNECTOR (MALE)	1	K1NA68B00025
	VMP4840	HOLDER ANGLE	1	
	XYN2+F8	SCREW	2	
	VMP5778	HOLD ANGLE	1	
■ E35	VEP80A66A	REAR FLEX P.C.BOARD	1	(RTL)
P1	VJS3807C040	CONNECTOR (FEMALE)	1	
P2	VJS3806C040	CONNECTOR (FEMALE)	1	K1KB40A00049
■ E36	VEP80A67A	VIDEO FLEX P.C.BOARD	1	(RTL)
P1	VJS3806E160	CONNECTOR (FEMALE)	1	K1KBG0A00003

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P2	VJP4106C160L	CONNECTOR (MALE)	1	K1KAG0A00008
■ E37	VEP80A68A	MAIN FLEX P.C.BOARD	1	(RTL)
P11,12	VJS3806E160	CONNECTOR (FEMALE)	2	K1KBG0A00003
■ E38	VEP80A69A	BYPASS P.C.BOARD	1	(RTL)
C6300	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6301-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
IC6300	MC74HC573AF	IC	1	C0JBAH000011
IC6301	TVHC245FT	IC	1	
IC6302,03	TVHC02FT	IC	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
R6300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6301-08	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	8	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4620	NUMBER PLATE (5)	1	
■ E39	VEP80A65B	INT CONNECT P.C.BOARD	1	(RTL)
C9801-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C9820	ECEA1CU101	E.CAPACITOR 16V 100U	1	
IC9606,07	MC74HC4053F	IC	2	C0JBAR000054
IC9801-04	TVHC541FT	IC	4	
L9801	VLQ0319K101	COIL 100UH	1	G1C101K00022
L9802-05	VLP0353	COIL	4	
L9806	VLQ0319K101	COIL 100UH	1	G1C101K00022
L9810	ELELN560KA	COIL 56UH	1	
P9608	VJP3808E160	CONNECTOR (MALE)	1	K1KAG0A00004
P9802	VJS4106C160L	CONNECTOR (FEMALE)	1	K1KBG0A00008
P9803	VJS3807E060	CONNECTOR (MALE)	1	K1KB60A00037
P9804	VJP3808E040	CONNECTOR (MALE)	1	K1KA40A00101
P9805	VJP3518B013	CONNECTOR (MALE)	1	K1KA13B00036
P9806	VJP3952B070	CONNECTOR (MALE)	1	
P9807	VJP3125B004	CONNECTOR (MALE)	1	K1KA04B00113
P9808	VJP3125B005	CONNECTOR (MALE) 5P	1	K1KA05B00013
R9801-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R9812-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	38	
R9850,51	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R9852	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9853,54	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R9855	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R9856,57	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R9858-63	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	6	
R9865	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R9871	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9874	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9880,81	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R9882	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
TG9801	EYF6CU	TEST POINT	1	
TP9801-09	EYF6CU	TEST POINT	9	
		MISCELLANEOUS		
	XQN26+A3	SCREW	2	
	VMS6279	SPACER	2	
	VMZ2647	BARRIER	1	

ELECTRICAL REPLACEMNT PARTS LIST (AJ-D610WBE/MC)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20775B	CCD SENSOR P.C.BOARD	1	(RTL)
■ E2	VEP25016U	CDS P.C.BOARD	1	(RTL)
■ E3	VEP20768F	CCD PULSE P.C.BOARD	1	(RTL)
■ E4	VEP23486G	PRE PROCESS P.C.BOARD	1	(RTL)
■ E5	VEP00Z61A	CAMERA FLEX P.C.BOARD	1	(RTL)
■ E6	VEP00Z41H	MOTHER P.C.BOARD	1	(RTL)
■ E7	VEP26240E	CAMERA SYSCON P.C.BOARD	1	(RTL)
■ E8	VEP23487H	DSP MAIN P.C.BOARD	1	(RTL)
■	VEP23495A	DSP SUB P.C.BOARD	1	(RTL)FOR VEP23487H
■ E9	VEP23484B	CAMERA ENCODER P.C.BOARD	1	(RTL)
■	VEP23451A	ENC CHARA P.C.BOARD	1	(RTL)FOR VEP23484B
■ E10	VEP23480F	CAMERA SYNC P.C.BOARD	1	(RTL)
■	VEP23490A	CAMERA SYNC SUB P.C.BOARD	1	(RTL)FOR VEP23480F
■ E11	VEP03E84D	VIDEO IF P.C.BOARD	1	(RTL)
■	VEP03E85D	VIDEO IF SUB P.C.BOARD	1	(RTL)FOR VEP03E84D
■ E12	VEP06C45K	SYSCON P.C.BOARD	1	(RTL)
■ E13	VEP82219C	SERVO P.C.BOARD	1	(RTL)
■ E14	VEP03E42A	RF P.C.BOARD	1	(RTL)
■ E15	VEP83377F	VIDEO P.C.BOARD	1	(RTL)
■	VEP83519A	VIDEO PLL P.C.BOARD	1	(RTL)FOR VEP83377F
■	VEP88234AJ	DV UCOM P.C.BOARD	1	(RTL)FOR VEP83377F
■	VEP83439A	CLS AUX P.C.BOARD	1	(RTL)FOR VEP83377F
■ E16	VEP81180F	POWER P.C.BOARD	1	(RTL)
■ E17	VEP01850C	REAR JACK P.C.BOARD	1	(RTL)
■ E18	VEP00Z35A	POWER SW P.C.BOARD	1	(RTL)
■ E19	VEP00Z30A	ALARM/MONITOR P.C.BOARD	1	(RTL)
■ E20	VEP00Z31A	TOGGLE SW P.C.BOARD	1	(RTL)
■ E21	VEP00Z32A	VAR SHUTTER P.C.BOARD	1	(RTL)
■ E22	VEP00Z33A	SUPER IRIS P.C.BOARD	1	(RTL)
■ E23	VEP00Z34A	PIX LINK P.C.BOARD	1	(RTL)
■ E24	VEP04727B	AUDIO LCD P.C.BOARD	1	(RTL)
■ E25	VEP00W08B	HEAD PHONE P.C.BOARD	1	(RTL)
■ E26	VEP00X87A	DC INPUT P.C.BOARD	1	(RTL)
■ E27	VEP20537A	FRONT TOGGLE P.C.BOARD	1	(RTL)
■ E28	VEP20538A	FRONT P.C.BOARD	1	(RTL)
■ E29	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
■ E30	VEP80858A	BACK TALLY LED P.C.BOARD	1	(RTL)
■ E31	VEP80A14E	FRONT MIC P.C.BOARD	1	(RTL)
■ E32	VEP80A33C	BNC P.C.BOARD	1	(RTL)
■ E33	VEP80A73A	BACK UP BATTERY P.C.BOARD	1	(RTL)
■ E34	VEP86266A	MEMORY CARD FLEX P.C.B.	1	(RTL)
■ E35	VEP80A66A	REAR FLEX P.C.BOARD	1	(RTL)
■ E36	VEP80A67A	VIDEO FLEX P.C.BOARD	1	(RTL)
■ E37	VEP80A68A	MAIN FLEX P.C.BOARD	1	(RTL)
■ E38	VEP80A69A	BYPASS P.C.BOARD	1	(RTL)
■ E39	VEP80A65B	INT CONNECT P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20775B	CCD SENSOR P.C.BOARD	1	(RTL)
C2	EEUFC1C331	E.CAPACITOR 16V 330U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C10-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C17,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C21	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C29	EEUFC0J561	E.CAPACITOR 6.3V 560U	1	
C31-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C40,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C42	EEUFC1C331	E.CAPACITOR 16V 330U	1	
C45	VCK0134K104	C.CAPACITOR 50V 0.1U	1	
C102	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C110-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C117,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C120	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C121	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C123	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C124	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C142	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C202	EEUFC1C820	E.CAPACITOR 16V 82U	1	
C203	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C221	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C224	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C226	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C242	EEUFC1C820	E.CAPACITOR 16V 82U	1	
D1	MA142K	DIODE	1	
D5	MA142K	DIODE	1	
D101	MA142K	DIODE	1	
D201	MA142K	DIODE	1	
IC2,C3	UPD16510GR	IC	2	
IC4,C5	C0JBAB000163	IC	2	
IC102,03	UPD16510GR	IC	2	
IC104	C0JBAB000163	IC	1	
IC202,03	UPD16510GR	IC	2	
IC204	C0JBAB000163	IC	1	
L1,L2	VLP0352	FERRITE CORE	2	
L101	VLP0352	FERRITE CORE	1	
L201	VLP0352	FERRITE CORE	1	
P1,P2	VJS2907D018	CONNECTOR (FEMALE)	2	K1MN18B00009
Q1	2SC3356-B	TRANSISTOR	1	
Q2	2SD601A-R	TRANSISTOR	1	
Q101	2SC3356-B	TRANSISTOR	1	
Q102	2SD601A-R	TRANSISTOR	1	
Q201	2SC3356-B	TRANSISTOR	1	
Q202	2SD601A-R	TRANSISTOR	1	
R1	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R6	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R8	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R11-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R14	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R17	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R20	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R22,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R25-31	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	7	
R34,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R101	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R103	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R104	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R106	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R108	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R112,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R114	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R115	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R120	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R128-31	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R134,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R201	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R206	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R208	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R212,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R214	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R215	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R220	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R228-31	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R234,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
■ E2	VEP25016U	CDS P.C.BOARD	1	(RTL)
C3004	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3006	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3007	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3102	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3103,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3105	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3106,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3109	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3112	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3116	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3118	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3202	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3203,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3205	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3206,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3208	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3209	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3212	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3214	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	
C3216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3218	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3302	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3303,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3305	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3306,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3308	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3309	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3312	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3314	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	
C3316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
D3001	MA3047M	DIODE	1	
D3102	MA151K	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D3202	MA151K	DIODE	1	
D3302	MA151K	DIODE	1	
D3304	MA2C70000F	DIODE	1	MA2C700
IC3001	NJM431U	IC	1	C0DBEZC00003
IC3002	NJM2904M	IC	1	
P3001	VJP4395B006	CONNECTOR (MALE)	1	
P3002	VJP3550B014	CONNECTOR (MALE)	1	
P3003	VJP4395B006	CONNECTOR (MALE)	1	
Q3102	3SK157J15	TRANSISTOR	1	
Q3103	2SC2295-C	TRANSISTOR	1	
Q3105	3SK157J15	TRANSISTOR	1	
Q3106	2SC2295-C	TRANSISTOR	1	
Q3108	3SK157J15	TRANSISTOR	1	
Q3109	2SC2295-C	TRANSISTOR	1	
Q3111	3SK157J15	TRANSISTOR	1	
Q3112	2SC2295-C	TRANSISTOR	1	
Q3114	3SK157J15	TRANSISTOR	1	
Q3115-20	2SC2295-C	TRANSISTOR	6	
Q3121,22	2SA1226E34	TRANSISTOR	2	
Q3202	3SK157J15	TRANSISTOR	1	
Q3203	2SC2295-C	TRANSISTOR	1	
Q3205	3SK157J15	TRANSISTOR	1	
Q3206	2SC2295-C	TRANSISTOR	1	
Q3208	3SK157J15	TRANSISTOR	1	
Q3209	2SC2295-C	TRANSISTOR	1	
Q3211	3SK157J15	TRANSISTOR	1	
Q3212	2SC2295-C	TRANSISTOR	1	
Q3214	3SK157J15	TRANSISTOR	1	
Q3215-20	2SC2295-C	TRANSISTOR	6	
Q3221,22	2SA1226E34	TRANSISTOR	2	
Q3302	3SK157J15	TRANSISTOR	1	
Q3303	2SC2295-C	TRANSISTOR	1	
Q3305	3SK157J15	TRANSISTOR	1	
Q3306	2SC2295-C	TRANSISTOR	1	
Q3308	3SK157J15	TRANSISTOR	1	
Q3309	2SC2295-C	TRANSISTOR	1	
Q3311	3SK157J15	TRANSISTOR	1	
Q3312	2SC2295-C	TRANSISTOR	1	
Q3314	3SK157J15	TRANSISTOR	1	
Q3315-19	2SC2295-C	TRANSISTOR	5	
Q3321,22	2SA1226E34	TRANSISTOR	2	
Q3323	2SC2295-C	TRANSISTOR	1	
QR3101,02	UN2217	TRANSISTOR-RESISTOR	2	
QR3201,02	UN2217	TRANSISTOR-RESISTOR	2	
QR3301,02	UN2217	TRANSISTOR-RESISTOR	2	
R3001	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3002	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3003	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3004	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3005	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R3007	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R3008	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3009	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3010,11	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R3012	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R3101	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3102	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3103	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3104	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3105	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3106	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3107	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3108	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3109	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3110	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3111	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3112	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3113	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3114	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3115	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3116	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3118	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3119	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3120	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3124	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3125	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3126	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3127	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3129-31	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3132,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3134	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3136	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3137	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3139	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3140	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3141,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3144,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3146	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3147	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3201	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3203	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3204	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3205	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3206	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3207	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3208	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3209	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3210	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3211	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3212	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3213	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3214	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3215	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3216	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3217	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3218	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3219	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3220	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3221	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3224	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3225	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3226	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3227	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3228	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3229-31	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3232,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3234	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3239	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3241,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3244,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3246	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3247	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3301	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3302	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3303	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3304	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3305	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3306	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3307	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3308	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3309	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3310	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3311	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3312	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3313	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3314	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3315	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3316	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3318	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3319	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3320	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3321	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3324	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3325	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3326	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3327	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3328	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3329	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3330,31	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R3332,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3334	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R3339	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3341,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3344,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3346	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3347	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
TG3001,02	EYF6CU	TEST POINT	2	
TP3001-05	EYF6CU	TEST POINT	5	
TP3101-03	EYF6CU	TEST POINT	3	
TP3201-03	EYF6CU	TEST POINT	3	
TP3301-03	EYF6CU	TEST POINT	3	
VC3101	VCV0048	TRIMMER	1	
VC3201	VCV0048	TRIMMER	1	
VC3301	VCV0048	TRIMMER	1	
VR3101	VRV0113B103	V.RESISTOR 10K	1	
VR3102	VRV0113B203	V.RESISTOR 20K	1	D3EC42030001
VR3201	VRV0113B103	V.RESISTOR 10K	1	
VR3202	VRV0113B203	V.RESISTOR 20K	1	D3EC42030001
VR3301	VRV0113B502	V.RESISTOR 5K	1	D3EC45020002
VR3302	VRV0113B203	V.RESISTOR 20K	1	D3EC42030001
■ E3	VEP20768F	CCD PULSE P.C.BOARD	1	(RTL)
C2	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C14	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C18	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C19-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C23	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C24,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C32	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C33	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C41,42	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C43,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C51,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C53	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C54	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C58	VCEA1AAP680	E.CAPACITOR 10V 68U	1	F2D1A6800003
C59	ECA0JKF121	E.CAPACITOR 6.3V 120U	1	
C66	ECKF1H122KB	C.CAPACITOR 50V 1200P	1	
C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C106	EEUFC1E221	E.CAPACITOR 16V 220U	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C110	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C111	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C113	EEVHB1A330	E.CAPACITOR 10V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C114	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C120	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C131	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C132	EEUFC1C122	E.CAPACITOR 16V 1200U	1	
C137	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C138	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C139	ECCF1H220JC	C.CAPACITOR 50V 22P	1	
D1	MA151K	DIODE	1	
D3,D4	MA142K	DIODE	2	
D6	MA142K	DIODE	1	
D7	MA165	DIODE	1	MA2C165
D102	MA3068-M	DIODE	1	
D103,04	MA3024	DIODE	2	
D108	MA3068-M	DIODE	1	
IC1	MN5280	IC	1	
IC2	C0JBAB000335	IC	1	
IC3,C4	TC7SH08F	IC	2	
IC5	74AC86SJ	IC	1	C0JBAE000100
IC6	C0JBAB000335	IC	1	
IC101,02	NJM2904M	IC	2	
IC103	NJM431U	IC	1	C0DBEZC00003
IC105	NJM2904M	IC	1	
L1	VLP0328A102	FERRITE CORE	1	
L2-L4	VLP0352	FERRITE CORE	3	
P1	VJS2907D025	CONNECTOR (FEMALE)	1	K1MN25B00002
P2,P3	VJS3422B018	CONNECTOR (FEMALE)	2	
P4	VJS3550A014	CONNECTOR (FEMALE)	1	
Q1	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q2,Q3	2SC3735B35	TRANSISTOR	2	
Q4-Q6	2SD601A-R	TRANSISTOR	3	
Q108	2SD1280-R	TRANSISTOR	1	
R5-R7	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R8-10	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R21,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R27,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R36,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R46	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R49	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R51,52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R53	ERJ3RBD513	M.RESISTOR CH 1/16W 51K	1	
R54	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R55	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R56	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R59-61	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R66	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R72,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R77	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R80	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R81	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R90,91	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R98	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
R99	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R105	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R106	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R109	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R110	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R112	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R116	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R118	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R133	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R136	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R137	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R150,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
R206-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R211	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R212	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG1	EYF6CU	TEST POINT	1	
TP4-P8	EYF6CU	TEST POINT	5	
VR1-R4	VRV0161B501	V.RESISTOR 500	4	
VR8-10	VRV0161B503	V.RESISTOR 50K	3	
VR11-13	VRV0161B203	V.RESISTOR 20K	3	
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
■ E4	VEP23486G	PRE PROCESS P.C.BOARD	1	(RTL)
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C106	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C107	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C109	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C116	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C121	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C122	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C123	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C128,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C133	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C134	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C135,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C137	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C139,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C141	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C143-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C157	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C159,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C161	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C165,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C302	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C306	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C307	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C312	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C316	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C321	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C333	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C334	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C335,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C337	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C339,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C341	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C343-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C357	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C359,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C361	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C365,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C506	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C507	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C509	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C512	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C516	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C521	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C528,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C533	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C534	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C535,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C537	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C539,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C541	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C543-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C557	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C559,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C561	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C565,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C706-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C710	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C712-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C722	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C726	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C727	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C732-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C740-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C800,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C803-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C808	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C810,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C813	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D101,02	MA142K	DIODE	2	
D103	HZU4BLL	DIODE	1	
D301,02	MA142K	DIODE	2	
D303	HZU4BLL	DIODE	1	
D501,02	MA142K	DIODE	2	
D503	HZU4BLL	DIODE	1	
D701	MA142K	DIODE	1	
D702,03	MA8043	DIODE	2	
D704	MA8024	DIODE	1	
FL101	VLF1418	FILTER	1	
FL301	VLF1418	FILTER	1	
FL501	VLF1418	FILTER	1	
IC102	TLC272CPS	IC	1	C0ABEB000009
IC103	CLC505AJE	IC	1	C0ABAB000024
IC104	MC1495D	IC	1	
IC105	NJM062V	IC	1	
IC107	AN90B60S	IC	1	
IC302	TLC272CPS	IC	1	C0ABEB000009
IC303	CLC505AJE	IC	1	C0ABAB000024
IC304	MC1495D	IC	1	
IC305	NJM062V	IC	1	
IC307	AN90B60S	IC	1	
IC502	TLC272CPS	IC	1	C0ABEB000009
IC503	CLC505AJE	IC	1	C0ABAB000024
IC504	MC1495D	IC	1	
IC505	NJM062V	IC	1	
IC507	AN90B60S	IC	1	
IC701	NJM062V	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC703	NJU7064V	IC	1	
IC704,05	C0ABBA000075	IC	2	
IC706	NJM431U	IC	1	C0DBEZC00003
IC707	XC62AP3002M	IC	1	
IC708	XC62DN3002M	IC	1	
P701,02	VJP4395B006	CONNECTOR (MALE)	2	
P703	VJS3791D045	CONNECTOR (FEMALE)	1	K1MN45B00006
Q101	XP6534	TRANSISTOR-RESISTOR	1	
Q102	2SA1532-B	TRANSISTOR	1	
Q103	2SK662-R	TRANSISTOR	1	
Q105	2SK662-R	TRANSISTOR	1	
Q106	2SK508-B	TRANSISTOR	1	
Q107,08	2SK508K512	TRANSISTOR	2	
Q111	XP6401	TRANSISTOR-RESISTOR	1	
Q112	2SK662-R	TRANSISTOR	1	
Q114	2SA1532-B	TRANSISTOR	1	
Q115	XP1501	TRANSISTOR-RESISTOR	1	
Q116	XP6435	TRANSISTOR-RESISTOR	1	
Q117	2SK662-R	TRANSISTOR	1	
Q118	2SA1532-B	TRANSISTOR	1	
Q119,20	XP1501	TRANSISTOR-RESISTOR	2	
Q122	2SK662-R	TRANSISTOR	1	
Q123	XP6534	TRANSISTOR-RESISTOR	1	
Q126	2SK662-R	TRANSISTOR	1	
Q127	2SK508K512	TRANSISTOR	1	
Q301	XP6534	TRANSISTOR-RESISTOR	1	
Q302	2SA1532-B	TRANSISTOR	1	
Q303	2SK662-R	TRANSISTOR	1	
Q305	2SK662-R	TRANSISTOR	1	
Q306	2SK508-B	TRANSISTOR	1	
Q307,08	2SK508K512	TRANSISTOR	2	
Q311	XP6401	TRANSISTOR-RESISTOR	1	
Q312	2SK662-R	TRANSISTOR	1	
Q314	2SA1532-B	TRANSISTOR	1	
Q315	XP1501	TRANSISTOR-RESISTOR	1	
Q316	XP6435	TRANSISTOR-RESISTOR	1	
Q317	2SK662-R	TRANSISTOR	1	
Q318	2SA1532-B	TRANSISTOR	1	
Q319,20	XP1501	TRANSISTOR-RESISTOR	2	
Q322	2SK662-R	TRANSISTOR	1	
Q323	XP6534	TRANSISTOR-RESISTOR	1	
Q326	2SK662-R	TRANSISTOR	1	
Q327	2SK508K512	TRANSISTOR	1	
Q501	XP6534	TRANSISTOR-RESISTOR	1	
Q502	2SA1532-B	TRANSISTOR	1	
Q503	2SK662-R	TRANSISTOR	1	
Q505	2SK662-R	TRANSISTOR	1	
Q506	2SK508-B	TRANSISTOR	1	
Q507,08	2SK508K512	TRANSISTOR	2	
Q511	XP6401	TRANSISTOR-RESISTOR	1	
Q512	2SK662-R	TRANSISTOR	1	
Q514	2SA1532-B	TRANSISTOR	1	
Q515	XP1501	TRANSISTOR-RESISTOR	1	
Q516	XP6435	TRANSISTOR-RESISTOR	1	
Q517	2SK662-R	TRANSISTOR	1	
Q518	2SA1532-B	TRANSISTOR	1	
Q519,20	XP1501	TRANSISTOR-RESISTOR	2	
Q522	2SK662-R	TRANSISTOR	1	
Q523	XP6534	TRANSISTOR-RESISTOR	1	
Q526	2SK662-R	TRANSISTOR	1	
Q527	2SK508K512	TRANSISTOR	1	
Q705	2SD1280-R	TRANSISTOR	1	
Q706	2SA1532-B	TRANSISTOR	1	
QR701	UN5113	TRANSISTOR-RESISTOR	1	
R101	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R102,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R104	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R106	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R108	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R109	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R111	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R112	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R113	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R114	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R115	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R116	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R118	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R119	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R122	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R125	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R126,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R130	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R131	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R132	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R135	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R136	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R137	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R138	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R139	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R140	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R143	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R144	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R145	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R148	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R150	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R151	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R155	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R157	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R158	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R160	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R161	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R162	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R164	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R165	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R166	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R168	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R169	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R170	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R171	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R173	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R174	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R175	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R176	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R177	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R178	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R179	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R181	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R182	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R184	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R186	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R188	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R191	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R192	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R195	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R196	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R197	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R198	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R201	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R202	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R203	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R205	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R206	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R207	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R208	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R210	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R212	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R213	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R214	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R217	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R220	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R230	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R231	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R232	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R234	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R236	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R238,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R240	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R241	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R301	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R302,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R304	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R306	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R307	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R309	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R311	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R312	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R313	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R314	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R315	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R316	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R317	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R318	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R321	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R322	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R324	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R325	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R326,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R330	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R332	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R335	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R336	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R337	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R338	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R339	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R340	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R343	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R344	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R345	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R346	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R347	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R348	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R350	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R351	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R353	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R355	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R357	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R358	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R360	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R361	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R362	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R364	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R365	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R366	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R368	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R370	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R371	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R372	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R373	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R374	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R375	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R376	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R377	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R378	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R379	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R381	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R382	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R384	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R386	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R391	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R392	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R395	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R396	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R397	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R398	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R399	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R401	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R402	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R403	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R405	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R406	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R407	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R408	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R410	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R412	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R413	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R414	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R418	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R421	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R424	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R430	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R431	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R432	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R434	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R436	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R441	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R501	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R502,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R504	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R506	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R507	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R508,09	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R511	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R512	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R513	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R514	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R515	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R516	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R517	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R518	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R519	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R521	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R522	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R524	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R525	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R526,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R530	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R531	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R532	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R535	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R536	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R537	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R538	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R539	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R540	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R543	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R544	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R545	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R546	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R547	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R548	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R550	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R551	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R553	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R555	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R557	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R558	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R560	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R561	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R562	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R564	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R568	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R569	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R570	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R571	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R572	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R573	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R574	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R575	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R576	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R577	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R578	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R579	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R581	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R582	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R584	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R586	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R588	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R591	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R592	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R595	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R596	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R597	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R598	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R599	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R601	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R602	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R603	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R605	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R606	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R607	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R608	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R610	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R612	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R613	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R614	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R617	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R618	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R620	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R621	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R630	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R631	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R632	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R638,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R640	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R641	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R701	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R702	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R705	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R707	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R709	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R710	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R711	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R714	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R715	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R716	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R717	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R718	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R719	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R720	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R721	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R732	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R733	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R734	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R735	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R736	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R737-39	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	3	
R740	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R741	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R742	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R749	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R750	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R752	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R753	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R754	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R755	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R756	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R757	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R764	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
RA101,02	EXB24V101J	COMBI.R-R 100	2	
RA103,04	EXB24V103J	COMBI.R-R 10K	2	
RA301,02	EXB24V101J	COMBI.R-R 100	2	
RA303,04	EXB24V103J	COMBI.R-R 10K	2	
RA501,02	EXB24V101J	COMBI.R-R 100	2	
RA503,04	EXB24V103J	COMBI.R-R 10K	2	
RA701,02	EXB24V101J	COMBI.R-R 100	2	
TG701-03	EYF6CU	TEST POINT	3	
TP101-03	EYF6CU	TEST POINT	3	
TP301-03	EYF6CU	TEST POINT	3	
TP501-03	EYF6CU	TEST POINT	3	
VR101	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR102	VRV0113B104	V.RESISTOR 100K	1	
VR103	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR104	VRV0113B103	V.RESISTOR 10K	1	
VR105	VRV0113B202	V.RESISTOR 2K	1	
VR301	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR302	VRV0113B104	V.RESISTOR 100K	1	
VR303	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR305	VRV0113B202	V.RESISTOR 2K	1	
VR501	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR502	VRV0113B104	V.RESISTOR 100K	1	
VR503	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR504	VRV0113B103	V.RESISTOR 10K	1	
VR505	VRV0113B202	V.RESISTOR 2K	1	
■ E6	VEP00Z41H	MOTHER P.C.BOARD	1	(RTL)
C9611-14	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C9615,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C9617,18	VCK0134K104	C.CAPACITOR 50V 0.1U	2	
L9601-10	VLF1499A431	FILTER	10	
L9611-14	VLP0147	COIL	4	
L9615-29	VLP0353	COIL	15	
L9630	VLF1147A241	FILTER	1	
L9631	VLP0353	COIL	1	
L9632	VLF1147A241	FILTER	1	
L9633	VLP0353	COIL	1	
L9634-37	VLF1147A241	FILTER	4	
L9638,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
L9640,41	VLP0353	COIL	2	
P1	VJP3978A060A	CONNECTOR (MALE)	1	
P9601	VJP3808E100	CONNECTOR (MALE)	1	K1KAA0A00044
P9602-07	VJS4064N160E	CONNECTOR (FEMALE)	6	K1KAG0A00006
P9608	VJP3808E160	CONNECTOR (MALE)	1	K1KAG0A00004
P9609	VJP3125B006	CONNECTOR (MALE) 6P	1	
P9610	VJP3125B010	CONNECTOR (MALE)	1	
P9611	VJP3125B003	CONNECTOR (MALE) 3P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P9612	VJP3125B005	CONNECTOR (MALE) 5P	1	K1KA05B00013
P9613	VJP3125B014	CONNECTOR (MALE)	1	
P9614	VJP3125B010	CONNECTOR (MALE)	1	
P9616	VJP3125B005	CONNECTOR (MALE) 5P	1	K1KA05B00013
P9617	VJP3125B012	CONNECTOR (MALE)	1	
P9618,19	VJP3125B004	CONNECTOR (MALE)	2	K1KA04B00113
P9620	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
P9621	VJP3518B002	CONNECTOR (MALE)	1	
P9622	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P9623	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
R9602	VLF1147A241	FILTER	1	
R9603-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R9611-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R9632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9637,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
		MISCELLANEOUS		
	VEE0F32	MOTHER BATTERY GND CABLE	1	
■ E7	VEP26240E	CAMERA SYSCON P.C.BOARD	1	(RTL)
C6101	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C6103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6106,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6108	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6110	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6111	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C6113,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6115	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6117-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6123-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6201-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6208,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6212	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6215	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6219,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6224	ECST1AY475	T.CAPACITOR CH 10V 4.7U	1	
C6225	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6226	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6228-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6233	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6234	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C6235,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6237	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6239-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C6246-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6252-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6261	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6405-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6411-13	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	3	
C6414	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C6415-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6419,20	ECHU1C104J	P.CAPACITOR 16V 0.1U	2	
C6422	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6423-25	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C6426	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6501-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
D6201-06	MA8051-H	DIODE	6	
D6207,08	MA142K	DIODE	2	
D6209,10	MA8051-H	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6101	XC62AP5002P	IC	1	
IC6102	C0CBBDB00004	IC	1	
IC6201	HD33048SA85F	IC	1	
IC6202	M51951BML	IC	1	
IC6203	VSI3809	IC	1	
IC6204	KM681CLTE7L	IC	1	C3BBHC000097
IC6205	C3ZBD0000004	IC	1	
IC6206	C0JBAN000098	IC	1	
IC6207	IDT71321A55	IC	1	
IC6211	M62370GP	IC	1	C0FBBD000082
IC6212	C0ABCA000038	IC	1	
IC6213	C0JBAA000117	IC	1	
IC6214	TC7W32F	IC	1	
IC6215	C0ABBA000075	IC	1	
IC6216,17	TVHC574FT	IC	2	
IC6218	TVHC573FT	IC	1	
IC6219	TC7S04F	IC	1	C0JBAB000169
IC6401	TC7W32F	IC	1	
IC6402,03	C0JBAZ001348	IC	2	
IC6404,05	C0ABFB000012	IC	2	
IC6406	C0JBAZ001348	IC	1	
IC6501-03	MB88351PF	IC	3	C0FBBG000024
L6101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L6102	VLQ0319K4R7	COIL 4.7UH	1	
L6103	VLQ0319K220	COIL 22UH	1	G1C220K00015
L6201,02	VLP0147	COIL	2	
P6101	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P6102	VJP3506A100	CONNECTOR (MALE)	1	K1KAA0A00065
P6103	VJP3358C012	CONNECTOR (MALE)	1	K1KA12A00138
P6104	VJS3826A020	CONNECTOR (FEMALE)	1	
Q6401-03	2SA1532-B	TRANSISTOR	3	
QR6201,02	UN5213	TRANSISTOR-RESISTOR	2	
QR6203-09	UN5113	TRANSISTOR-RESISTOR	7	
QR6401	UN5211	TRANSISTOR-RESISTOR	1	
R6109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6112,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6121,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6124,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6126	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6201	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R6202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6204	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R6205	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6206	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6207	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6210-12	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R6216	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6220	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6231-34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6235-37	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R6241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6242	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6244	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6247,48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6256	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6257,58	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R6259	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6279,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6293	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6294	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R6295	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R6296	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6312	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6314	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6320,21	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6323,24	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6402	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R6403	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6405,06	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R6408	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6410	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6412-20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	9	
R6421	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6423	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6425	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6428,29	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R6430	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6431	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6432	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6433	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6434	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6435	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6436	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6437	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6438	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6439	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6440	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6441-44	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	4	
R6446	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6448	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6450,51	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R6452	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6454-56	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R6457-59	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	3	
RA6101-04	EXB24V101J	COMBI.R-R 100	4	
RA6201-17	EXB24V101J	COMBI.R-R 100	17	
RA6221-27	EXB24V101J	COMBI.R-R 100	7	
RA6229	EXB24V101J	COMBI.R-R 100	1	
RA6232-37	EXB24V473J	COMBI.R-R 47K	6	
RA6242	EXB24V473J	COMBI.R-R 47K	1	
RA6243	EXB24V101J	COMBI.R-R 100	1	
RA6244-46	EXB24V473J	COMBI.R-R 47K	3	
RA6247-49	EXB24V101J	COMBI.R-R 100	3	
RA6401	EXB24V101J	COMBI.R-R 100	1	
SW6201	VSS0342	SWITCH	1	K0D112B00056
TG6205-07	EYF6CU	TEST POINT	3	
TP6209-11	EYF6CU	TEST POINT	3	
X6201	VSX0821	CRYSTAL OSCILLATOR	1	H0J160500014
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4618	NUMBER PLATE (3)	1	
■ E8	VEP23487H	DSP MAIN P.C.BOARD	1	(RTL)
■	VEP23495A	DSP SUB P.C.BOARD	1	(RTL)FOR VEP23487H
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C7,C8	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C14	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C17	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C18-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C22	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C24	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C25-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C28	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C29-33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C34	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C35-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C38	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C39-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C44	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C45-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C48	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
C49-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C54-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C107	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C110-33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	24	
C201,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C203	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C204-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C208	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C209	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C211-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C218	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C220	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C301-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C304,05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C306-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C309,10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C315,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C317	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C318	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C319	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C320	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C321	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C322	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C323	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C324,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C327,28	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C332,33	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C334	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D10	MA142WA	DIODE	1	
D301	MA157	DIODE	1	
IC1	NJM431U	IC	1	C0DBEZC00003
IC2,C3	C0JBAE000004	IC	2	
IC4	C0CBABC00049	IC	1	
IC5	AD9200ARS	IC	1	
IC6	C0CBABC00049	IC	1	
IC7	AD9200ARS	IC	1	
IC8	C0CBABC00049	IC	1	
IC9	AD9200ARS	IC	1	
IC10	C0ABFB000012	IC	1	
IC101	VY21621	IC	1	
IC106	C0JBAB000200	IC	1	
IC107	TVHC32FT	IC	1	
IC108	C0JBAA000099	IC	1	
IC201	C0JBAE000004	IC	1	
IC202	TC7S08F	IC	1	C0JBAA000095
IC203	ADV7122KST50	IC	1	C0FBBF000019
IC204	XC62AP5002P	IC	1	
IC205	ADV7122KST50	IC	1	C0FBBF000019
IC206	XC62AP5002P	IC	1	
IC207,08	AD589JR	IC	2	
IC301	LC35256FM70U	IC	1	
IC303	TVHC245FT	IC	1	
IC305	AD7805BRS	IC	1	C0FBBF000016
IC307	TVHC157FT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC308	TC7S02F	IC	1	C0JBAD000065
IC315	XC62AP5002P	IC	1	
IC316	C0CBBDB00004	IC	1	
IC317	TC7W00FU	IC	1	
L2,L3	VLP0328A102	FERRITE CORE	2	
L201,02	VLP0328A102	FERRITE CORE	2	
P1	VJS3505A100	CONNECTOR (FEMALE)	1	K1KBA0A00062
P3	VJP4395B006	CONNECTOR (MALE)	1	
Q10-12	2SB1218A-R	TRANSISTOR	3	
Q14-17	2SD1819A-R	TRANSISTOR	4	
Q19	2SB1218A-R	TRANSISTOR	1	
Q21	2SD1819A-R	TRANSISTOR	1	
Q23	2SD1819A-R	TRANSISTOR	1	
Q201	2SB1218A-R	TRANSISTOR	1	
Q202	2SD1819A-R	TRANSISTOR	1	
Q203	2SB1218A-R	TRANSISTOR	1	
Q204,05	2SD1819A-R	TRANSISTOR	2	
Q301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q306	XN4501	TRANSISTOR-RESISTOR	1	
Q308	XN4501	TRANSISTOR-RESISTOR	1	
R1,R2	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R4,R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R9-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R19	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R22,23	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R25-27	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R28	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R31	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R33	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R37	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R38	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R40,41	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R42	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R43	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R44	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R47-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R51-54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R55,56	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
R57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60-63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R66	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R70	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R71,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R78	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R79,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R102-05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R111,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R115	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R117-19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R206	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R207,08	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R209	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R210,11	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R213,14	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R215	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R218	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R219	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R301-04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R307,08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R315-17	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R324-26	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
R342,43	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R346	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
RA10-34	EXB24V101J	COMBI.R-R 100	25	
RA201-25	EXB24V101J	COMBI.R-R 100	25	
TG17	EYF6CU	TEST POINT	1	
TG23	EYF6CU	TEST POINT	1	
TP3,P4	EYF6CU	TEST POINT	2	
TP6-16	EYF6CU	TEST POINT	11	
TP18-22	EYF6CU	TEST POINT	5	
TP24,25	EYF6CU	TEST POINT	2	
■ E9	VEP23484B	CAMERA ENCODER P.C.BOARD	1	(RTL)
■	VEP23451A	ENC CHARA P.C.BOARD	1	(RTL)FOR VEP23484B
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C9	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C12	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C14	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C15	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C17	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C18-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C22-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C25	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C26-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C34	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C36	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C38	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C41-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C45,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C47	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C50-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C54,55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C109	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C112	EEVHB0G221	E.CAPACITOR 4V 220U	1	
C114	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C116,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C118	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C119	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C120	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C125	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C126	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C127	EEVHB0G221	E.CAPACITOR 4V 220U	1	
C128	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C129	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C130	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C131,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C134	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C137,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C139	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C142	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C204	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C205	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C209	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C210	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C212	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C214	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C216,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C220	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C221	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C222	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	F1H1H9R0A735
C223	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C224	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C225	ECST0JX156	T.CAPACITOR CH6.3V 15U	1	
C226	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C227	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C233,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C237	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C238	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C239	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C240,41	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C242	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C243	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C244	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C245	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C246	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C249	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C252	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C253	ECST0JX156	T.CAPACITOR CH6.3V 15U	1	
C254	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C255	ECST0JX156	T.CAPACITOR CH6.3V 15U	1	
C257,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C261,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C263	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C267,68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C271	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C272,73	ECST0JX156	T.CAPACITOR CH6.3V 15U	2	
C275,76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C277	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C278,79	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C280,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C282,83	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
D200,01	MA142K	DIODE	2	
D202,03	MA8047	DIODE	2	
FL1-L3	VLF1305	FILTER	3	
FL101	VLF1305	FILTER	1	
FL200	VLF1305	FILTER	1	
IC4	TC7W00FU	IC	1	
IC9	TC7S04F	IC	1	C0JBAB000169
IC16	NJM062V	IC	1	
IC101,02	NJM2535M	IC	2	
IC104	XC62AP5002P	IC	1	
IC105	NJM2535M	IC	1	
IC202	NJM431U	IC	1	C0DBEZC00003
IC204,05	NJM1496V	IC	2	
IC206,07	NJM062V	IC	2	
IC208	C0ABBA000075	IC	1	
IC209	TC7S04F	IC	1	C0JBAB000169
IC212	NJM2535M	IC	1	
L1	VLQ0426J101	COIL 100UH	1	G1C101J00005
L2,L3	VLQ0319K101	COIL 100UH	2	G1C101K00022
L101	VLQ0426J101	COIL 100UH	1	G1C101J00005
L102	VLQ0319K101	COIL 100UH	1	G1C101K00022
L200	VLQ0426J101	COIL 100UH	1	G1C101J00005
L202,03	VLQ0426J120	COIL 12UH	2	G1C120J00005
L204	VLQ0163J180	COIL 18UH	1	G1C180J00001
L205	VLQ0163J560	COIL 56UH	1	
L206,07	VLQ0163J470	COIL 47UH	2	
L208	VLQ0133J221	COIL 220UH	1	G1C221J00002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L210	VLQ0133J221	COIL 220UH	1	G1C221J00002
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q2	2SK662-R	TRANSISTOR	1	
Q4	XN4501	TRANSISTOR-RESISTOR	1	
Q8	XN4501	TRANSISTOR-RESISTOR	1	
Q12	XN4501	TRANSISTOR-RESISTOR	1	
Q201	XP6534	TRANSISTOR-RESISTOR	1	
Q203,04	XP6534	TRANSISTOR-RESISTOR	2	
Q205	2SK662-R	TRANSISTOR	1	
Q206	XN4501	TRANSISTOR-RESISTOR	1	
Q214	XN4501	TRANSISTOR-RESISTOR	1	
Q218	XP6534	TRANSISTOR-RESISTOR	1	
Q219	2SK662-R	TRANSISTOR	1	
Q222	XP6534	TRANSISTOR-RESISTOR	1	
Q223	2SK662-R	TRANSISTOR	1	
Q225	2SD1280-R	TRANSISTOR	1	
QR200	UN5213	TRANSISTOR-RESISTOR	1	
R1-R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R4	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5,R6	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R7	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R8	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R12	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R14	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R15	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R16	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R17	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R18	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R19	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R20	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R21	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R23	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R24	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R25	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R29	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R31	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R32	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R33	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R35	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R40	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R42	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R45	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R49	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R50	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R51	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R57	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R58	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R59	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R61,62	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R63	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R64	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R65	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R66	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R67	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R68	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R69,70	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R72	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R74,75	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R76	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R77	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R79	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R82	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R84	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R87	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R89	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R90	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R91	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R93,94	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R95	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R96	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R97	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R98	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R100	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R101	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R102,03	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R104	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R105,06	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R107	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R109	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R110	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R111	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R112	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R115	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R120	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R121	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R129	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R131	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R132	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R134	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R136	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R137	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R139	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R140	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R142	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R143	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R144	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R146	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R147	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R150	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R151	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R152	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R153	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R155	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R156	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R159	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R160	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R162	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R200	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R201	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R202	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R206	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R207	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R210	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R211	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R213	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R215	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R217	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R218,19	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R220	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R221	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R222	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R223	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R224	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R225	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R226	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R227	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R228	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R229	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R232	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R234	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R235	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R237	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R238,39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R240	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R242	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R243	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R244	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R246	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R247	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R248,49	ERJ3RBD241	M.RESISTOR CH 1/16W 240	2	
R250	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R252	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R253	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R254	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R255	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R256	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R260,61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R263	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R264	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R265	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R266	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R267,68	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R269	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R270	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R272	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R273	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R274	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R277	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R278	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R279	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R281	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R282	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R283	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R284	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R285	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R286	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R287	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R288	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R289	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R291	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R292	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R293	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R294	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R295	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R296	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R297	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R298	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R299,00	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R301	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R304	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R306	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R308	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R309	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R312	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R313	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R315	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R316	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R317	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R318	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R319	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R320	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R322	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R323	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R324	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R325	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R326	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R328	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R329	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R330,31	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R332	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R333	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R336,37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R338	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R339	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R344	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R345	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R348,49	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R351	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R352	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R401	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	FOR VEP23451A
R402	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	FOR VEP23451A
R403	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP23451A
R404	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23451A
SW1	VSS0367-02B	SWITCH	1	
SW200	VSR0098	SWITCH	1	K0G112A00009
SW201	VSS0342	SWITCH	1	K0D112B00056
TG3	EYF6CU	TEST POINT	1	
TG206	EYF6CU	TEST POINT	1	
TH200	ERSA33J102	T.RESISTOR 3W 1K	1	
TP2	EYF6CU	TEST POINT	1	
TP5	EYF6CU	TEST POINT	1	
TP7	EYF6CU	TEST POINT	1	
TP102,03	EYF6CU	TEST POINT	2	
TP201,02	EYF6CU	TEST POINT	2	
TP204,05	EYF6CU	TEST POINT	2	
VC200	VCV0047	TRIMMER	1	
VR1	EVM7JGA00B14	V.RESISTOR 10K	1	
VR2-R4	EVM7JGA00BE2	V.RESISTOR 220	3	
VR101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR102-05	EVM7JGA00BE2	V.RESISTOR 220	4	
VR200	EVM7JGA00B14	V.RESISTOR 10K	1	
VR201	VRV0161B102	V.RESISTOR 1K	1	
VR202	VRV0161B501	V.RESISTOR 500	1	
VR203	EVM7JGA00B14	V.RESISTOR 10K	1	
VR205	EVM7JGA00B52	V.RESISTOR 500	1	
VR206	VRV0161B203	V.RESISTOR 20K	1	
VR207	EVM7JGA00B13	V.RESISTOR 1K	1	
VR209	VRV0161B203	V.RESISTOR 20K	1	
VR210	EVM7JGA00B52	V.RESISTOR 500	1	
VR401	EVM7JGA00B23	V.RESISTOR 2K	1	FOR VEP23451A
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4617	NUMBER PLATE (2)	1	
■ E10	VEP23480F	CAMERA SYNC P.C.BOARD	1	(RTL)
■	VEP23490A	CAMERA SYNC SUB P.C.BOARD	1	(RTL)FOR VEP23480F

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3001	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3003	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3010	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3011	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3017	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3019-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3024	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3025	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3026	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3027-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3030	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3031	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3032	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3033	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3034,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3037	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3038	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3039-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3042	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3043	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3044	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3045	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3046,47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C3050	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3051	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3052	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3053	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3054	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3055	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3056	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3057	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3058	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3061,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3068	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3104	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3106	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3107	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3108	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3109-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3112	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3113	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3119,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3122	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3124	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C3125-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3130	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3131	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3132	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3133	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3134-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3204	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3208-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3226-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3405,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3502	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C3503	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C3504-06	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3	
C3507	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3508	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3509,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3511	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3512-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3516	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3517	VCK0134K104	C.CAPACITOR 50V 0.1U	1	
D3001,02	MA3020	DIODE	2	
D3003	MA3J14300L	DIODE	1	
D3004,05	MA3020	DIODE	2	
D3006	MA3J14300L	DIODE	1	
D3101	MA3J14300L	DIODE	1	
D3501	MA142K	DIODE	1	
IC3001	XC62AP5002P	IC	1	
IC3002	C1AB00001301	IC	1	
IC3004,05	AD790JR	IC	2	
IC3006	NJM062M	IC	1	C0ABBB000027
IC3007	MC74HC125AF	IC	1	C0JBAZ000126
IC3008	NJM062M	IC	1	C0ABBB000027
IC3012	NJM062M	IC	1	C0ABBB000027
IC3014	C0JBAE000004	IC	1	
IC3018	TC7S32FU	IC	1	
IC3101	TCVHC221F	IC	1	C0JBAM000088
IC3102	C0JBAB000335	IC	1	
IC3103	NJM062M	IC	1	C0ABBB000027
IC3104	AD790JR	IC	1	
IC3105	MC74HC00AF	IC	1	C0JBAC000028
IC3106	C0JBAB000335	IC	1	
IC3107	C0JBAZ001348	IC	1	
IC3108	NJM062M	IC	1	C0ABBB000027
IC3109	XC62AP5002P	IC	1	
IC3110	AD790JR	IC	1	
IC3111	XC62AP5002P	IC	1	
IC3201	UPD65802G160	IC	1	C1ZBZ0001387
IC3202	C0JBAB000163	IC	1	
IC3203	TVHC244FT	IC	1	
IC3204	MC74HC86AF	IC	1	
IC3205	MC74HC125AF	IC	1	C0JBAZ000126
IC3206	C0JBAB000335	IC	1	
IC3209	TC7S14F	IC	1	C0JBAZ000514
IC3212	MC74HC4538AF	IC	1	C0JBAM000012
IC3404	C0JBAZ001348	IC	1	
IC3405	TC7SH32FU	IC	1	
IC3501	C0JBAB000163	IC	1	
IC3502	TVHC153FT	IC	1	
L3001	VLQ0163J390	COIL 39UH	1	
L3002	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3004,05	VLP0352	FERRITE CORE	2	
L3006,07	VLQ0319K101	COIL 100UH	2	G1C101K00022
L3009,10	VLQ0319K101	COIL 100UH	2	G1C101K00022
L3102	VLQ0163J221	COIL 220UH	1	G1C221J00003
L3201	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3501	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
P3501	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q3503	2SA1532-B	TRANSISTOR	1	
Q3504	2SC3938-R	TRANSISTOR	1	
Q3505,06	2SA1532-B	TRANSISTOR	2	
R3003	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3004	ERJ3RED564	M.RESISTOR CH 1/16W 560K	1	
R3005	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3006	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3008,09	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R3010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3011	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3012,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3014	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3015,16	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3018	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3019	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3020	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3021	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3022	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3023	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3025	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3027	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3030	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3031	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R3032	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3034	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3035	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3036,37	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R3038,39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R3040	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3041	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3044,45	VLP0353	COIL	2	
R3047	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3050	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3051	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R3054,55	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R3056	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3057	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3059	VLP0353	COIL	1	
R3061	VLP0353	COIL	1	
R3062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3065	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3072	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3074,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3101	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3107	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3109	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3110	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3114	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3115	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3116	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3117	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3118	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3119	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3120	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3122	ERJ3GEYJ274V	M.RESISTOR CH 1/16W 270K	1	
R3124	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3125	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3128	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3130	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3133	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3134	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3138	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3139	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3140	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3142	VLP0353	COIL	1	
R3144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3147,48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3202,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3208,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3211	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3213-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3220-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3224,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3227-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R3236-46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11	
R3249-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3263	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3269-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3281-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3287	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3291,92	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3295	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3297-99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3329-31	VLP0353	COIL	3	
R3333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3340	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3348	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3349	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3350	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3408,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3410	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3417	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3419	ER0S2CHF9101	M.RESISTOR 1/4W 9.1K	1	
R3503,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3510	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3516	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3517-19	ERJ3RBD101	M.RESISTOR CH 1/16W 100	3	
R3520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3524	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R3525	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R3526	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3527	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3528	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3529	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3530	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3531	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3534	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3535	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3542	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
SW3001	VSS0342	SWITCH	1	K0D112B00056 FOR VEP23490A
TG3101	EYF6CU	TEST POINT	1	
TG3501	EYF6CU	TEST POINT	1	
TP3001-05	EYF6CU	TEST POINT	5	
TP3101	EYF6CU	TEST POINT	1	
TP3201-07	EYF6CU	TEST POINT	7	
TP3501	EYF6CU	TEST POINT	1	
VR3001	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3002	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3102	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3103	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3104	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3501-03	VRV0161B202	V.RESISTOR 2K	3	
VR3504	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3505	VRV0161B202	V.RESISTOR 2K	1	
VR3506	VRV0161B102	V.RESISTOR 1K	1	
VR3507,08	VRV0161B202	V.RESISTOR 2K	2	
X3001	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3003	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
X3101	H1C1775A0002	CRYSTAL OSCILLATOR	1	
X3102	VSX0689	CRYSTAL OSCILLATOR	1	H1C1775B0002
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	VGQ4618	NUMBER PLATE (3)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XNG2E	NUT	1	
■ E11	VEP03E84D	VIDEO IF P.C.BOARD	1	(RTL)
■	VEP03E85D	VIDEO IF SUB P.C.BOARD	1	(RTL)FOR VEP03E84D
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C103-07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	FOR VEP03E85D
C108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	FOR VEP03E85D
C109	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026 FOR VEP03E85D
C110	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP03E85D
C111	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85D
C112	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85D
C113,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	FOR VEP03E85D
C115	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	FOR VEP03E85D
C116,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C119,20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C202	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C203	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C204	VCK0150	C.CAPACITOR	1	FOR VEP03E85D
C205	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85D
C206	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	FOR VEP03E85D
C207	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85D
C208	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85D
C209	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C210	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP03E85D
C211	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85D
C212	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	FOR VEP03E85D
C213,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	FOR VEP03E85D
C301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C303-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	FOR VEP03E85D
C309,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85D
C311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85D
C313,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85D
C315	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85D
C401	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C402	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C402	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C406,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C417,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C419	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C420	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C423	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C424	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C428	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C430	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C432	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C436	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C441	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C442	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C445	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C446	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C447	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C451-54	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C503	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C504	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C511	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C514	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C515	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C520	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C521	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C522	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C526	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C530	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C531	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C532	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C534	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C536	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C540	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C541	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C542	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C544	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C546	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
D101	MA142K	DIODE	1	
D101	MA704	DIODE	1	FOR VEP03E85D
D102	MA142K	DIODE	1	
D102	MA704	DIODE	1	FOR VEP03E85D
D103,04	MA3020	DIODE	2	FOR VEP03E85D
D501	MA142K	DIODE	1	
FL401	VLF1179	FILTER	1	
IC101	C0JBAZ001348	IC	1	
IC101	XC62AP5002P	IC	1	FOR VEP03E85D
IC102	NJM062M	IC	1	C0ABBB000027 FOR VEP03E85D
IC103	C0JBAZ000279	IC	1	FOR VEP03E85D
IC106	C0JBAA000102	IC	1	FOR VEP03E85D
IC201	UPC2384GA	IC	1	FOR VEP03E85D
IC202	C0CBABC00049	IC	1	FOR VEP03E85D
IC204	C0JBAA000102	IC	1	FOR VEP03E85D
IC301	CG46183-134	IC	1	FOR VEP03E85D
IC302-05	TVHC541FT	IC	4	FOR VEP03E85D
IC306	TVHT541FT	IC	1	FOR VEP03E85D
IC309	C0JBAF000184	IC	1	FOR VEP03E85D
IC311	UG10358B	IC	1	C1ZBZ0000700 FOR VEP03E85D
IC314	C0JBAF000184	IC	1	FOR VEP03E85D
IC315	C0JBAC000111	IC	1	FOR VEP03E85D
IC401	C0JBAA000102	IC	1	
IC402	C0JBAZ001348	IC	1	
IC403	AD817AR	IC	1	C0ABAB000062
IC404	C0JBAZ001348	IC	1	
IC405	C0ABBB000158	IC	1	C0ABBA000045
IC406	C0CBBDB00004	IC	1	
IC407	C0JBAZ001348	IC	1	
IC501	XC62AP5002P	IC	1	
IC502	C1AB00001301	IC	1	
IC503	TVS1129	IC	1	C0JBAZ000525
IC504-06	CXD1176Q	IC	3	
IC508	TC7W74FU	IC	1	
L101-03	VLQ0319K101	COIL 100UH	3	G1C101K00022
L104	VLQ0319K101	COIL 100UH	1	G1C101K00022
L104	VLQ0319K101	COIL 100UH	1	G1C101K00022 FOR VEP03E85D
L201	VLQ0464K6R8	COIL 6.8UH	1	G1C6R8K00007 FOR VEP03E85D
L202	ELJNA1R5JF	COIL 1.5UH	1	FOR VEP03E85D
L203	VLQ0319K101	COIL 100UH	1	G1C101K00022 FOR VEP03E85D
L401	VLP0145	COIL	1	FOR VEP03E85D
L401	VLQ0426J120	COIL 12UH	1	G1C120J00005
L402	VLP0145	COIL	1	FOR VEP03E85D
L404,05	VLQ0319K101	COIL 100UH	2	G1C101K00022
L406	VLQ0426J820	COIL 82UH	1	G1C820J00001
L407	VLQ0426J680	COIL 68UH	1	G1C680J00007
L410	VLQ0426J820	COIL 82UH	1	G1C820J00001
L411	VLQ0426J680	COIL 68UH	1	G1C680J00007
L413	VLQ0319K101	COIL 100UH	1	G1C101K00022
L501	VLQ0163J221	COIL 220UH	1	G1C221J00003
L502	VLQ0319K101	COIL 100UH	1	G1C101K00022
L503	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
L504-06	VLQ0319K101	COIL 100UH	3	G1C101K00022
L602-11	VLP0155	COIL	10	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJP3819E100	CONNECTOR (MALE)	1	K1KAA0A00071
P3	VJP3358C012	CONNECTOR (MALE)	1	K1KA12A00138
P401	VJS3819E100	CONNECTOR (FEMALE)	1	K1KBA0A00067 FOR VEP03E85D
Q105	2SB1218A-R	TRANSISTOR	1	
Q106	2SD1819A-R	TRANSISTOR	1	
Q401	2SB1218A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q402	2SD1819A-R	TRANSISTOR	1	
Q403	2SA1532-B	TRANSISTOR	1	
Q404	2SD1819A-R	TRANSISTOR	1	
Q408,09	2SB1218A-R	TRANSISTOR	2	
Q410	2SA1532-B	TRANSISTOR	1	
Q414,15	2SB1218A-R	TRANSISTOR	2	
Q416	2SA1532-B	TRANSISTOR	1	
Q501	2SD1819A-R	TRANSISTOR	1	
R101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R102	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP03E85D
R103	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85D
R104	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	FOR VEP03E85D
R105	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	FOR VEP03E85D
R106	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85D
R107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R108,09	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R112	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R113	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R114	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R116	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R119	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R124-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E85D
R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R208	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP03E82D
R209-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	FOR VEP03E82D
R212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP03E82D
R215-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E82D
R219,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP03E82D
R221-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E82D
R301-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	FOR VEP03E82D
R309-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E82D
R315	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R319,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP03E82D
R321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R324-26	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	FOR VEP03E82D
R329-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E82D
R335	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP03E82D
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R338	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R339-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E82D
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R345	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R347	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E82D
R351	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E82D
R353,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E82D
R355-64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	10	FOR VEP03E82D
R372-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R401	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R402	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R403	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R404	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R405	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R406	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R408	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R410,11	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R413	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R414	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R415	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R427	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R429	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R430	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R431	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R434,35	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R436	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R437	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R441	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R452	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R455	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R456	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R462	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R463,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R465	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R466	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R467-69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R501	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R502	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R504	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R505	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R506	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R507	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R509	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R510	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R513	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R514	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R516	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R517	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R518	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R519	VRE006622102	V.RESISTOR CH 1/10W 1K	1	D0YD102JA008
R522	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R524	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R525	VRE006607103	M.RESISTOR CH 1/10W 10K	1	D0YD103JA006
R528	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R530	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R531	VRE006607103	M.RESISTOR CH 1/10W 10K	1	D0YD103JA006
R601-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
TG101	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	
TP301-03	EYF6CU	TEST POINT	3	
TP501-03	EYF6CU	TEST POINT	3	
VR401	EVM7JGA00B23	V.RESISTOR 2K	1	
VR403,04	EVM7JGA00B23	V.RESISTOR 2K	2	
VR406,07	EVM7JGA00B23	V.RESISTOR 2K	2	
VR501	EVM7JGA00B13	V.RESISTOR 1K	1	
X101	VSX0677	CRYSTAL OSCILLATOR	1	H1C1355B0002
		MISCELLANEOUS		
	VMS5528	P.C.B. POST (26SP-6)	3	
	XYN26+C35	SCREW	6	
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4724	NUMBER PLATE (6)	1	
■ E12	VEP06C45K	SYSCON P.C.BOARD	1	(RTL)
C6001	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C6002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6003	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6004,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6006,07	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6008,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6010	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6014-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C6021,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6024	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6101	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6102	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6103	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6104-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6202-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6210	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6213-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C6222	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6223-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6301	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C6302,03	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C6304	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6305	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6309-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6801,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6803,04	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C6805-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6809	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C6810	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6811	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6812	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6813,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6815	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C6816	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C6817	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6818	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C6819	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6821,22	EEVHP1C100	E.CAPACITOR 16V 10U	2	
D6001	MA151K	DIODE	1	
D6002-09	MA728	DIODE	8	
D6021	MA151K	DIODE	1	
D6201,02	MA142K	DIODE	2	
D6230	MA165	DIODE	1	MA2C165
D6801	MA3J14300L	DIODE	1	
D6802	MA8024	DIODE	1	
IC6001	M37702S4AFP	IC	1	C2CBYF000003
IC6002	MN13821-S	IC	1	
IC6003	C0JBAB000163	IC	1	
IC6004	TVHC32FT	IC	1	
IC6005	TVHC573FT	IC	1	
IC6006	VSI3541A	IC	1	
IC6007	C0JBAA000102	IC	1	
IC6008	C0JBAN000098	IC	1	
IC6009	UPD6456T611Y	IC	1	C1AB00000555
IC6011,12	TVHT541FT	IC	2	
IC6013	TC7SH32FU	IC	1	
IC6101,02	TVHT541FT	IC	2	
IC6201	TE7751	IC	1	C1ZBZ0000156
IC6301	C1ZBZ0001486	IC	1	
IC6302	C1ZBZ0001318	IC	1	C1ZBZ0000878
IC6801	MN51040VPI	IC	1	
IC6803	NJM4558M	IC	1	C0ABBB000044
ICF6006	VJF1047	IC SOCKET	1	
ICS6006	VJS3427X032	CONNECTOR (FEMALE)	1	
L6001	VLQ0319K100	COIL 10UH	1	G1C100K00023
L6002	VLQ0163J270	COIL 27UH	1	
L6101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L6102,03	VLQ0163J470	COIL 47UH	2	
L6201	VLQ0319K101	COIL 100UH	1	G1C101K00022
L6801	VLQ0163J470	COIL 47UH	1	
L6802	VLQ0319K101	COIL 100UH	1	G1C101K00022
P6001	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q6801	2SD1819A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR6001	UN5213	TRANSISTOR-RESISTOR	1	
QR6003	UN5211	TRANSISTOR-RESISTOR	1	
QR6004,05	UN5213	TRANSISTOR-RESISTOR	2	
QR6201-04	UN5114	TRANSISTOR-RESISTOR	4	
QR6206	UN5213	TRANSISTOR-RESISTOR	1	
QR6207	UN5114	TRANSISTOR-RESISTOR	1	
QR6208-10	UN5213	TRANSISTOR-RESISTOR	3	
R6001	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6002	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6003	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6007	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R6008	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R6009	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6011	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6012	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6013	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6015	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6019	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6022	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6023	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6026	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6029	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6040-44	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6049	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6050	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6053	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6054-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6101-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R6133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6137,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6141-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6145	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6206-12	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	7	
R6216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6217	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6218,19	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6226-30	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6231	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6237	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6251-62	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	12	
R6263,64	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R6265	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6301,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6801	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6803,04	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R6805	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6809	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R6810	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1	
R6811	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6812,13	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R6814	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R6817	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6818	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6819	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6820	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6821	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6823	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6824	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R6826	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6827,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6829	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6839	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R6840	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6845	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
TG6001	EYF6CU	TEST POINT	1	
TP6001,02	EYF6CU	TEST POINT	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP6301	EYF6CU	TEST POINT	1	
VC6001	VCV0049	TRIMMER	1	
VC6301	ECRJA020E12	TRIMMER 20P	1	
X6001	VSX0499	CRYSTAL OSCILLATOR	1	H2C120500001
X6301	VSX0602	CRYSTAL OSCILLATOR	1	H0J327200050
X6801	VSX0498	CRYSTAL OSCILLATOR	1	H2C143500001
X6802	VSX0615	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	MSM27C101ZBG	IC	1	C3DBNC000047
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4619	NUMBER PLATE (4)	1	
■ E13	VEP82219C	SERVO P.C.BOARD	1	(RTL)
C2100,01	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C2107	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2109	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2110	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2113	VCE0180	E.CAPACITOR	1	F2G1E1010003
C2115	VCE0180	E.CAPACITOR	1	F2G1E1010003
C2133	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2134	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2135	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2137,38	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2139	ECEV1EV220Q	E.CAPACITOR CH 25V 22U	1	
C2140,41	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C2143	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2144-47	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2152	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2200-04	VCE0180	E.CAPACITOR	5	F2G1E1010003
C2207	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C2208-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2217	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C2218-20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2223	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2240	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2241	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2242	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2243	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2244	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2245	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2246-48	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	3	
C2250	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2251	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2253	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2254	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2255	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2256	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2260,61	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2304,05	VCE0180	E.CAPACITOR	2	F2G1E1010003
C2309	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2310	VCC0037F432	C.CAPACITOR 432P	1	
C2311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2318,19	VCE0180	E.CAPACITOR	2	F2G1E1010003
C2322	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2323	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2326	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2327-29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2332	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2333	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2336	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2337-39	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2343-46	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	4	
C2349	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2351	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2357-59	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	3	F1K1C105A026
C2401-04	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	4	F1K1C105A026
C2407-10	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C2411-13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2418	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2420	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2432	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2433	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2434	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2435	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2504	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2506	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2507	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2508-11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2514	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C2515	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2517	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2602	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2603	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2605	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2607	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C2608	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2610	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2618	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2620,21	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C2638-41	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2702	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2703	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2705	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C2809	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2812,13	ECA12HG472L	E.CAPACITOR 4700U	2	
C2817	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C2820	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C2906	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
D2100	MA142K	DIODE	1	
D2101,02	MA3J14300L	DIODE	2	
D2103	MA736	DIODE	1	
D2200,01	MA3J14300L	DIODE	2	
D2202	MA728	DIODE	1	
D2203	MA736	DIODE	1	
D2204	MA728	DIODE	1	
D2205	MA736	DIODE	1	
D2210-13	MA8047-H	DIODE	4	
D2301	MA728	DIODE	1	
D2302	MA736	DIODE	1	
D2303	MA728	DIODE	1	
D2304	MA736	DIODE	1	
D2401	MA736	DIODE	1	
D2402-05	MA3J14300L	DIODE	4	
D2406	MA736	DIODE	1	
D2502-04	MA142WA	DIODE	3	
D2505	MA142WK	DIODE	1	
D2701	MA3J14300L	DIODE	1	
D2702	MA3062M	DIODE	1	
D2703	MA738	DIODE	1	
D2704	MA3056-L	DIODE	1	
D2801-03	MA142WK	DIODE	3	
D2807	MA142WK	DIODE	1	
D2811,12	MA142WK	DIODE	2	
D2813	21DQ04	DIODE	1	B0JAME000021
D2814-16	MA142WK	DIODE	3	
D2817-28	MA738	DIODE	12	
D2829	NSQ03A04	DIODE	1	B0JCPE000013
D2830	MA8051-H	DIODE	1	
D2831,32	NSQ03A04	DIODE	2	B0JCPE000013
D2833	MA142WK	DIODE	1	
D2834	MA8030-H	DIODE	1	
D2835	MA142WK	DIODE	1	
D2836	MA738	DIODE	1	
D2837	MA142WK	DIODE	1	
IC2100	MN6755486AK	IC	1	
IC2103	UPC4556G2	IC	1	
IC2104	MN13821-S	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2110	C0CBABC00049	IC	1	
IC2200,01	AN3890FBS	IC	2	
IC2202,03	B1HFPCE00001	IC	2	
IC2204,05	TA75W01FU	IC	2	
IC2207	TA75W01FU	IC	1	
IC2208	C0BBBA000030	IC	1	
IC2209	TC75W54FU	IC	1	
IC2210	C0BBBA000030	IC	1	
IC2212	C0BBBA000030	IC	1	
IC2301	TL1451CDB	IC	1	
IC2302,03	AN3841SR	IC	2	
IC2401,02	C0BBBA000030	IC	2	
IC2403	TA75W01FU	IC	1	
IC2404,05	TC7W74FU	IC	2	
IC2406,07	UPC4558G2	IC	2	C0ABBB000131
IC2409,10	TA75W01FU	IC	2	
IC2501	MN6755486AL	IC	1	
IC2502	C0JBAZ000529	IC	1	
IC2503	C0BBBA000030	IC	1	
IC2602	TVHU04FT	IC	1	
IC2603	TCVHC157F	IC	1	
IC2608	C0JBAZ000529	IC	1	
IC2701	C0BBBA000030	IC	1	
IC2702	C0GBM0000003	IC	1	
IC2801	MC14538BF	IC	1	C0JBAM000009
IC2802	NJM2904M	IC	1	
IC2803	MC14538BF	IC	1	C0JBAM000009
IC2804	MC74HC11F	IC	1	C0JBAA000025
IC2807	NJM2904M	IC	1	
IC2808,09	MC14538BF	IC	2	C0JBAM000009
IC2900	TVHT244FT	IC	1	
IC2901	C0JBAA000117	IC	1	
L2101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L2104	VLQ0319K100	COIL 10UH	1	G1C100K00023
L2200	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L2201,02	VLQ0407151K	COIL 150UH	2	G0A151EA0007
L2301	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L2302,03	VLQ0407151K	COIL 150UH	2	G0A151EA0007
L2501	VLQ0319K100	COIL 10UH	1	G1C100K00023
L2601,02	VLQ0319K100	COIL 10UH	2	G1C100K00023
L2701	VLQ0319K101	COIL 100UH	1	G1C101K00022
P2600	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P2601	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P2602	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P2603	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P2604	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P2605	VJP3518B002	CONNECTOR (MALE)	1	
P2606	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P2607	VJS3801B010	CONNECTOR (FEMALE)	1	
P2608	VJP3518B002	CONNECTOR (MALE)	1	
P2609	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P2610	VJP3518B003	CONNECTOR (MALE)	1	
P2611	VJP3518B002	CONNECTOR (MALE)	1	
P2612	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P2613	VJS3406B015	CONNECTOR (FEMALE)	1	
P2614,15	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P2616	VJS3406B019	CONNECTOR (FEMALE)	1	
P2618	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P2619	VJP3809E060	CONNECTOR (MALE)	1	K1KA60A00073
P2620	VJP3358C022	CONNECTOR (MALE)	1	K1KA22A00027
Q2100,01	2SD1820R	TRANSISTOR	2	
Q2103,04	2SD1820R	TRANSISTOR	2	
Q2105	2SB1219A-R	TRANSISTOR	1	
Q2200,01	2SB1073-R	TRANSISTOR	2	
Q2203-06	2SD1820R	TRANSISTOR	4	
Q2301,02	2SB1073-R	TRANSISTOR	2	
Q2401	2SB1219A-R	TRANSISTOR	1	
Q2502,03	2SD1819A-R	TRANSISTOR	2	
Q2601	2SD1819A-R	TRANSISTOR	1	
Q2702	2SB1073-R	TRANSISTOR	1	
Q2811	2SB936A-Q	TRANSISTOR	1	
Q2812	2SD1819A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q2815	2SD1819A-R	TRANSISTOR	1	
Q2816,17	2SB1073-R	TRANSISTOR	2	
Q2818	2SB936A-Q	TRANSISTOR	1	
Q2819	2SD1819A-R	TRANSISTOR	1	
Q2820	2SB1219A-R	TRANSISTOR	1	
Q2823	2SB1219A-R	TRANSISTOR	1	
Q2825	2SD1819A-R	TRANSISTOR	1	
Q2826,27	2SB1073-R	TRANSISTOR	2	
Q2829	2SD1819A-R	TRANSISTOR	1	
Q2830	2SB1219A-R	TRANSISTOR	1	
Q2833	2SB1219A-R	TRANSISTOR	1	
Q2835	2SD1819A-R	TRANSISTOR	1	
Q2836,37	2SB1073-R	TRANSISTOR	2	
Q2839	2SD1819A-R	TRANSISTOR	1	
Q2840	2SB1219A-R	TRANSISTOR	1	
Q2843	2SB1219A-R	TRANSISTOR	1	
Q2848	2SD1819A-R	TRANSISTOR	1	
QR2101,02	UN5213	TRANSISTOR-RESISTOR	2	
QR2106	UN5213	TRANSISTOR-RESISTOR	1	
QR2150	UN5213	TRANSISTOR-RESISTOR	1	
QR2200,01	UN5213	TRANSISTOR-RESISTOR	2	
QR2305	UN5113	TRANSISTOR-RESISTOR	1	
QR2306	UN5213	TRANSISTOR-RESISTOR	1	
QR2504	UN5213	TRANSISTOR-RESISTOR	1	
QR2603	UN5214	TRANSISTOR-RESISTOR	1	
QR2701,02	UN5114	TRANSISTOR-RESISTOR	2	
QR2703,04	UN5214	TRANSISTOR-RESISTOR	2	
QR2801	UN5213	TRANSISTOR-RESISTOR	1	
QR2804	UN5214	TRANSISTOR-RESISTOR	1	
QR2809,10	UN5214	TRANSISTOR-RESISTOR	2	
QR2813	UN5214	TRANSISTOR-RESISTOR	1	
QR2814	UN5114	TRANSISTOR-RESISTOR	1	
QR2818	UN5114	TRANSISTOR-RESISTOR	1	
QR2824	UN5114	TRANSISTOR-RESISTOR	1	
QR2828	UN5114	TRANSISTOR-RESISTOR	1	
QR2834	UN5114	TRANSISTOR-RESISTOR	1	
QR2838	UN5114	TRANSISTOR-RESISTOR	1	
QR2844-46	UN5214	TRANSISTOR-RESISTOR	3	
QR2849-52	UN5212	TRANSISTOR-RESISTOR	4	
QR2915	UN5214	TRANSISTOR-RESISTOR	1	
QR2921-23	UN5214	TRANSISTOR-RESISTOR	3	
QR2925	UN5214	TRANSISTOR-RESISTOR	1	
QR2940-43	UN5214	TRANSISTOR-RESISTOR	4	
R2107-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R2113	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2130	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2131	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2132	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R2135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2136	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2137	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2141	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2142	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2143	ERJ8GEYJ271	M.RESISTOR CH 1/8W 270	1	
R2144	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R2145	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R2146	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R2153	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2155	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R2179,80	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2	
R2185	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2190	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2191	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2194,95	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2196	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2205	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R2206	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R2208	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2209	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2210	ERJ8GEYJ1R5	M.RESISTOR CH 1/8W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2211	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2K	1	
R2213,14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2221	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R2222	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R2224	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2225	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2226	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2227	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2K	1	
R2229,30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2231	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2232	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2246	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2247	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2249	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2251,52	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R2253	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2256	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2260	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2261	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2262	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R2264	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2265	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2266	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2267	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2271	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2272	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2274	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2276	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2279	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2280	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2282-85	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R2286	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2289	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2291	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2293	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2294	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2295	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2298	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2303	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2304	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2305	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2306	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2313,14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2315	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2316	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2318	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R2319	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2320	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2327,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2330	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2332	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2334,35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2337,38	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	2	
R2339	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2340,41	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R2346-49	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R2356,57	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2358	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2361	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2362	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2363	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2364	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2371,72	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R2402	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2407	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2412	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2417	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2422	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2427	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2432	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2437	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2443	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2444	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2448	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R2449	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R2451	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R2461	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2468,69	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2471	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2472,73	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2508	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2512	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2517,18	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2	
R2519,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2524	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2526	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2533	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2534	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2536	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2541	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2542	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2545-51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R2552,53	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R2558	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2559	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R2580	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2581	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2605	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2607	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2620	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2636-38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R2640	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2650,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2703	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2706	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2708	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2710	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2711	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2714	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2716,17	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	2	
R2718	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R2727-30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R2735	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2737,38	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	2	
R2747	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2750	ERJ8GCY0R00	M.RESISTOR CH 1/8W 0	1	
R2803,04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2806	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2810,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2819,20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2821	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2826,27	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R2828	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2829	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2831,32	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2834,35	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2837	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2838	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2839	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2840,41	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2843,44	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2846	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2847,48	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R2849	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2851,52	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2854,55	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2857	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2858	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2859	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2860,61	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2863,64	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2866	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2867,68	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R2869	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2871,72	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2874,75	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R2877	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2878	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2879	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2880	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R2882-84	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R2886	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2887	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2890-95	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	6	
R2897,98	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R2915	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2922	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2923	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2924	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2925	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2926	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2932	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2933	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2934	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2935-37	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R2938,39	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R2940	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2941,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2943	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
SW2901	VSS0367-02B	SWITCH	1	
TG2114	EYF6CU	TEST POINT	1	
TG2300	EYF6CU	TEST POINT	1	
TP2100-02	EYF6CU	TEST POINT	3	
TP2107	EYF6CU	TEST POINT	1	
TP2113,14	EYF6CU	TEST POINT	2	
TP2116	EYF6CU	TEST POINT	1	
TP2301,02	EYF6CU	TEST POINT	2	
TP2402	EYF6CU	TEST POINT	1	
TP2501-05	EYF6CU	TEST POINT	5	
TP2601	EYF6CU	TEST POINT	1	
TP2902	EYF6CU	TEST POINT	1	
VR2101-04	EVM7JGA00B54	V.RESISTOR 50K	4	
VR2401	EVM7JGA00B54	V.RESISTOR 50K	1	
VR2402	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2501,02	EVM7JGA00B24	V.RESISTOR 20K	2	
VR2503,04	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
X2500	VSX0791	CRYSTAL OSCILLATOR	1	H0J135500004
X2601	VSX0645	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC4607	SERVO SHIELD CASE	1	
	VMS4911	PIN	1	
	XYN26+J6	SCREW	1	
■ E14	VEP03E42A	RF P.C.BOARD	1	(RTL)
C1,C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4,C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C9,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C11	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C13	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C14,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C16	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C17,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C19	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C20,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C22	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C23,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C25	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C26-28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C104	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C105,06	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C107	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C111	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C112,13	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C213	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C220,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C223,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C231	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C234	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C235,36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C238	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C240,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C243-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C248-50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C251,52	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C253	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C254,55	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C257-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C261,62	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	2	
C263	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C264	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C265	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C266	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C269	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C270	EEVHP1HR22	E.CAPACITOR 50V 0.22U	1	
C300-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C311	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C312	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C314-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C319	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C320	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C324	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C400-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C408	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C410-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C418-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C422	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C423	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C424	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C426	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C428	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C429-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C432	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C434	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C500	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C511-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C515	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C516-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C523-26	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C527-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C530	ECUX1C154KBN	C.CAPACITOR CH 16V 0.15U	1	
C531	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C532-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C535	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C536-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
D200-03	MA142WK	DIODE	4	
D400	MA142WA	DIODE	1	
D401	MA142WK	DIODE	1	
FL1	VLF0941C223	FILTER	1	
IC1	TVHC125FT	IC	1	
IC2	TC7S04FU	IC	1	
IC3	XC62AP5002P	IC	1	
IC4	C0CBBDB00004	IC	1	
IC5	C0CBABC00049	IC	1	
IC6	XC62AP5002M	IC	1	
IC7	C0CBBDB00004	IC	1	
IC8	TVHC125FT	IC	1	
IC10	TC7W02FU	IC	1	
IC101	TC7W00FU	IC	1	
IC200,01	TC4S69F	IC	2	C0JBAB000139
IC203	NJM062M	IC	1	C0ABBB000027
IC204	C0CBBDB00004	IC	1	
IC205,06	TC4S69F	IC	2	C0JBAB000139
IC207	NJM062M	IC	1	C0ABBB000027
IC208	UPC1663G	IC	1	C1CB00000329
IC210,11	TC7S04FU	IC	2	
IC300	UPC5102GS030	IC	1	C1ZBZ0001316
IC302	UPC1663G	IC	1	C1CB00000329
IC400	UPC5102GS030	IC	1	C1ZBZ0001316
IC401	UPC1663G	IC	1	C1CB00000329
IC402	NJM062M	IC	1	C0ABBB000027
IC403	TC7S86FU	IC	1	
IC500	AN3730FA	IC	1	
IC501	AN3740FAP-A	IC	1	
IC502	MC14053BF	IC	1	C0JBAR000023
L1	VLQ0319K220	COIL 22UH	1	G1C220K00015
L2,L3	VLQ0319K101	COIL 100UH	2	G1C101K00022
L100-03	VLQ0163J2R2	COIL 2.2UH	4	G1C2R2J00009
L200-03	VLQ0163J330	COIL 33UH	4	G1C330J00004
L300,01	VLQ0163J1R0	COIL 1UH	2	G1C1R0J00008
L303	VLQ0163JR22	COIL 0.22UH	1	G1CR22J00002
L400	VLQ0163JR22	COIL 0.22UH	1	G1CR22J00002
L401	VLQ0163J1R0	COIL 1UH	1	G1C1R0J00008
L402	VLQ0163J470	COIL 47UH	1	
L403	VLQ0163JR22	COIL 0.22UH	1	G1CR22J00002
P1	VJP3978A080A	CONNECTOR (MALE)	1	
P2	VJP3358C012	CONNECTOR (MALE)	1	K1KA12A00138
P3	VJS3899D013	CONNECTOR (FEMALE)	1	K1MN13B00033
P4	VJS3898D010	CONNECTOR (FEMALE)	1	K1MN10B00053
Q1	2SB1114	TRANSISTOR	1	
Q2	2SD1280-R	TRANSISTOR	1	
Q3	2SB1218A-R	TRANSISTOR	1	
Q100	2SB709-R	TRANSISTOR	1	
Q101	2SD1819A-R	TRANSISTOR	1	
Q102,03	2SC3735B35	TRANSISTOR	2	
Q104	2SB709-R	TRANSISTOR	1	
Q105	2SD1819A-R	TRANSISTOR	1	
Q106,07	2SC3735B35	TRANSISTOR	2	
Q201	2SA1532-B	TRANSISTOR	1	
Q202-05	2SD1979	TRANSISTOR	4	
Q207	2SC3935	TRANSISTOR	1	
Q208,09	2SC2954	TRANSISTOR	2	
Q210	2SC3935	TRANSISTOR	1	
Q212,13	2SA1532-B	TRANSISTOR	2	
Q214	2SC2954	TRANSISTOR	1	
Q215	2SA1532-B	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q216-19	2SD1979	TRANSISTOR	4	
Q221,22	2SC2954	TRANSISTOR	2	
Q225,26	2SA1532-B	TRANSISTOR	2	
Q227	2SC2954	TRANSISTOR	1	
Q228	2SD1280-R	TRANSISTOR	1	
Q229	2SB1218A-R	TRANSISTOR	1	
Q230	2SB1114	TRANSISTOR	1	
Q231-34	2SK508K512	TRANSISTOR	4	
Q235	2SB1114	TRANSISTOR	1	
Q300	XN5531	TRANSISTOR-RESISTOR	1	
Q304,05	2SC3935	TRANSISTOR	2	
Q307	XN5531	TRANSISTOR-RESISTOR	1	
Q404	XN5531	TRANSISTOR-RESISTOR	1	
Q501	2SB1219A-R	TRANSISTOR	1	
QR1	UN5213	TRANSISTOR-RESISTOR	1	
QR100,01	UN5213	TRANSISTOR-RESISTOR	2	
QR200,01	UN5213	TRANSISTOR-RESISTOR	2	
QR400	UN5212	TRANSISTOR-RESISTOR	1	
QR401	UN5213	TRANSISTOR-RESISTOR	1	
R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R102	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R103	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R104	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R106	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R108,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R111	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R114	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R116	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R118	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R120,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R123	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R203-06	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R212,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R218	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R220	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R221	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R222,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R224	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R225,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R227	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R232	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R237	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R238,39	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R240	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R241	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R245-48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R251,52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R253	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R262,63	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R264	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R266	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R268	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R269	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R274	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R275,76	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R277	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R278	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R280	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R287,88	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R289,90	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R291	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R292	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R293-96	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	4	
R300	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R309,10	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R318	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R320	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R323	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R324,25	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R326,27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R328,29	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R330	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R331	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R332-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R335,36	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R337	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R340	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R341	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R403	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R404	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R405,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R407	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R408-11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R412,13	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R414	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R415	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R416	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R417,18	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R419,20	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R421,22	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R425	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R426,27	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R428	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R429	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R430	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R433	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R435	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R438	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R439	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R440	ERJ3GEYG683	M.RESISTOR CH 1/16W 68K	1	
R441	ERJ3GEYG103	M.RESISTOR CH 1/16W 10K	1	
R442	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R443	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R444	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R445,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R447,48	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R449	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R450	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R455,56	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R458	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R501	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R503	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R505	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R510	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R511	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R512	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R513	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R514	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R515	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R517	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R518	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R519	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R520	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R521-23	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R524	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R526	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R530	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R531,32	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R534	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R535	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R536	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R537	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R538	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R539	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2000	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2002	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2003	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2004-07	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R2008	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2010	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2011	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2012-15	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R2018	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2023-25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R2026,27	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R2028,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R2031,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2038	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R2039	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2044	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2047	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2049,50	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
TG1	EYF6CU	TEST POINT	1	
TG300	EYF6CU	TEST POINT	1	
TG500	EYF6CU	TEST POINT	1	
TH500	VRT0139K103	THERMISTOR	1	D4CC11030006
TP1	EYF6CU	TEST POINT	1	
TP100,01	EYF6CU	TEST POINT	2	
TP200-03	EYF6CU	TEST POINT	4	
TP300	EYF6CU	TEST POINT	1	
TP400-02	EYF6CU	TEST POINT	3	
TP500-08	EYF6CU	TEST POINT	9	
VR200	EVM7JGA00B13	V.RESISTOR 1K	1	
VR400,01	EVM7JGA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
	VSC4375	SHIELD CASE (LOWER)	1	
■ E15	VEP83377F	VIDEO P.C.BOARD	1	(RTL)
■	VEP83519A	VIDEO PLL P.C.BOARD	1	(RTL)FOR VEP83377F
■	VEP88234AJ	DV UCOM P.C.BOARD	1	(RTL)FOR VEP83377F
■	VEP83439A	CLS AUX P.C.BOARD	1	(RTL)FOR VEP83377F
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C1	VCK0151	C.CAPACITOR	1	F1K1C1050020
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C154	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C200	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C201	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C202	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C220,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C250,51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C508-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C602	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C604	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C605-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C700	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C706	VCK0152	C.CAPACITOR	1	F1L1C1060016
C707	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C711	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C712	VCK0152	C.CAPACITOR	1	F1L1C1060016
C800	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C810	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C850-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C860	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C871-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C900	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C901	VCK0150	C.CAPACITOR	1	
C902	ECST1AC476R	T.CAPACITOR CH 10V 47U	1	
C903	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C904	ECST1AC476R	T.CAPACITOR CH 10V 47U	1	
C905	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C906	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C909	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C910	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C954-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C959	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
D600-02	MA715	DIODE	3	
D603	MA3J14300L	DIODE	1	
IC1	C0ZBZ0000363	IC	1	
IC2	C0CBABC00060	IC	1	
IC4-C6	C0JBAB000220	IC	3	
IC7	CG46183-134	IC	1	
IC8	L7A1592	IC	1	C1AA00000229
IC9	MN47V07AF	IC	1	
IC11	MN67373	IC	1	
IC12	XC62FP2302M	IC	1	
IC17	XC62FP2302M	IC	1	
IC18	M65501FP	IC	1	C1AB00000835
IC19	C3ABKG000073	DRAM	1	
IC21	TC7S04FU	IC	1	
IC22	XC62FP3202P	IC	1	
IC23	C0CBABC00060	IC	1	
IC26	TC7SH32FU	IC	1	
IC27	UPC2384GA	IC	1	
IC28	TVHC32FT	IC	1	
IC31-33	TC7SH32FU	IC	3	
IC36	TVHC157FT	IC	1	
IC38	TC7W241FU	IC	1	
IC39,40	TVHC367FT	IC	2	
IC41	C0JBAZ000279	IC	1	
IC43	TC7W241FU	IC	1	
IC44	XC62FP2302M	IC	1	
IC45	TVHC245FT	IC	1	
IC46	TVHC367FT	IC	1	
IC48	XC62EP3302M	IC	1	
IC49	C1AB00001250	IC	1	
IC50	AD817AR	IC	1	C0ABAB000062
IC51	XC62FP5002M	IC	1	
IC52	MB88344PFV	IC	1	C0FBBD000096
L1	VLF1151A132	COIL	1	
L1	VLP0155	COIL	1	FOR VEP83519A
L151	VLQ0464K6R8	COIL 6.8UH	1	G1C6R8K00007
L600	VLQ0319K470	COIL 47UH	1	G1C470K00013
L700,01	VLQ0319K101	COIL 100UH	2	G1C101K00022
L702	VLQ0426J1R8	COIL 1.8UH	1	G1C1R8J00007
L704	VLQ0319K101	COIL 100UH	1	G1C101K00022
L705	VLQ0426J1R8	COIL 1.8UH	1	G1C1R8J00007
L800	VLP0155	COIL	1	
L802	VLP0155	COIL	1	
L900	VLQ0464K6R8	COIL 6.8UH	1	G1C6R8K00007
L902	VLQ0319K101	COIL 100UH	1	G1C101K00022
L903	ELJNA1R5JF	COIL 1.5UH	1	
L904	VLP0155	COIL	1	
P1	VJP3808E160	CONNECTOR (MALE)	1	K1KAG0A00004
P2	VJS3978A080F	CONNECTOR (FEMALE)	1	
P3	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P4	VJP3808E120	CONNECTOR (MALE)	1	K1KAC0A00012
P5	VJS4106A120L	CONNECTOR (FEMALE)	1	
Q600	2SB709A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q700	2SB1114	TRANSISTOR	1	
QR600	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR850,51	UN2214	TRANSISTOR-RESISTOR	2	UNR221400L
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R20-22	EXB24V100J	COMBI.R-R 10	3	
R24	EXB24V100J	COMBI.R-R 10	1	
R27-30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R34	EXB24V100J	COMBI.R-R 10	1	
R36	EXB24V100J	COMBI.R-R 10	1	
R38,39	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R41	EXB24V100J	COMBI.R-R 10	1	
R43	EXB24V100J	COMBI.R-R 10	1	
R45	EXB24V100J	COMBI.R-R 10	1	
R47	EXB24V100J	COMBI.R-R 10	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R107,08	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R204	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R210-13	EXB24V103J	COMBI.R-R 10K	4	
R224,25	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	EXB24V103J	COMBI.R-R 10K	2	
R604-06	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R612	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R613	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R614-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R627	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R631	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R632	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R633	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R702	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R708-10	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R712	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R713	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R714	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R715	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R719	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R721,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R724	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R725	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R852	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R853,54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R901	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R902	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R903,04	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R950-52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R953-55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
TG1,G2	EYF6CU	TEST POINT	2	
TP1-P3	EYF6CU	TEST POINT	3	
TP6	EYF6CU	TEST POINT	1	
TP8-13	EYF6CU	TEST POINT	6	
X1	VSX0847	CRYSTAL OSCILLATOR	1	H0J270500019
		MISCELLANEOUS		
	XYN26+C35	SCREW	7	
	VMS6135	P.C.B. POST (26SP-6)	3	
	VMS6279	SPACER	2	
	XQN26+A3	SCREW	3	
	VMZ2835	INSULATION SHEET	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E16	VEP81180F	POWER P.C.BOARD	1	(RTL)
C1003	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C1004	EEVHP0J220	E.CAPACITOR 6.3V 22U	1	
C1005	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1006	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1008	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1010	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C1014	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1018	VCEA0JAP470	C.CAPACITOR 6.3V 47P	1	F2D0J4700001
C1023	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1024	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1026	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1030	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1031	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1040,41	ECA1EFQ221	E.CAPACITOR 25V 220U	2	
C1044	EEUFA1C471	E.CAPACITOR 16V 470U	1	
C1050	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1051	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1052	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1056	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1057	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C1059	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1063	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1069	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	F2D0J220A002
C1070	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	F2D0J100A002
C1072	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1073	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C1076	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C1087	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C1088-94	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
D1001	MA142WK	DIODE	1	
D1002-05	NSQ03A04	DIODE	4	B0JCPE000013
D1006	SFPB-76V	DIODE	1	
D1007	MA739	DIODE	1	
D1008,09	MA8068-H	DIODE	2	
D1010	SFPB-76V	DIODE	1	
D1011-13	MA8068-H	DIODE	3	
D1014	MA8043-H	DIODE	1	
D1015-18	NSQ03A04	DIODE	4	B0JCPE000013
D1019-22	MA142WK	DIODE	4	
D1028	NSQ03A04	DIODE	1	B0JCPE000013
D1029	MA8100-H	DIODE	1	
D1030	NSQ03A04	DIODE	1	B0JCPE000013
D1032	MA142WK	DIODE	1	
D1034	NSQ03A04	DIODE	1	B0JCPE000013
IC1001-04	TL1451CNS	IC	4	C0DBAMA00001
L1001	VLQ0856	COIL	1	
L1002	VLQ0319K100	COIL 10UH	1	G1C100K00023
L1003	VLQ0441K1R0	COIL 1.0UH	1	
L1004	VLQ0821	COIL	1	
L1005	VLF1151A132	COIL	1	
L1006	VLQ0441K1R0	COIL 1.0UH	1	
L1007	VLQ0642	COIL	1	
L1008	VLQ0857	COIL	1	
L1009	VLQ0441K1R0	COIL 1.0UH	1	
L1010	VLQ0765	COIL	1	G4ZZ00000309
L1011	VLQ0417	COIL 10UH	1	
L1012	VLQ0441K1R0	COIL 1.0UH	1	
L1013,14	VLQ0613M100	COIL 10UH	2	G0A100H00009
L1015	VLQ0441K1R0	COIL 1.0UH	1	
L1016	VLQ0642	COIL	1	
L1017	VLQ0613M100	COIL 10UH	1	G0A100H00009
L1018	VLQ0441K1R0	COIL 1.0UH	1	
L1019	VLQ0642	COIL	1	
L1020	VLQ0613M100	COIL 10UH	1	G0A100H00009
L1021	VLQ0441K1R0	COIL 1.0UH	1	
L1023	VLQ0417	COIL 10UH	1	
L1024	VLQ0642	COIL	1	
L1025	VLQ0613M100	COIL 10UH	1	G0A100H00009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1026-32	VLP0353	COIL	7	
P1002	VJP2739B013	CONNECTOR (MALE)	1	K1KA13B00035
Q1002	2SB1219A-R	TRANSISTOR	1	
Q1003	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1005	2SB1219A-R	TRANSISTOR	1	
Q1006	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1008	2SB1219A-R	TRANSISTOR	1	
Q1009	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1010	2SB1219A-R	TRANSISTOR	1	
Q1012	2SB1219A-R	TRANSISTOR	1	
Q1016	2SB1219A-R	TRANSISTOR	1	
Q1017	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1019	2SB1219A-R	TRANSISTOR	1	
Q1020	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1025	2SB1219A-R	TRANSISTOR	1	
Q1026	2SJ279S	TRANSISTOR	1	B1DGDG000002
QR1001	UN5112	TRANSISTOR-RESISTOR	1	
QR1002-08	UN5211	TRANSISTOR-RESISTOR	7	
QR1010	UN5211	TRANSISTOR-RESISTOR	1	
QR1018	UN5111	TRANSISTOR-RESISTOR	1	
R1001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1002	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1003	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1004-07	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1008	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1009	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R1010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1011,12	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1013	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1014	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1015	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1016	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1017	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1019	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1020	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1023-26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1028	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R1029	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1030,31	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1032	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1034	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1037	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1038	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1039	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1040	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1041	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1042	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	1	
R1043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1048	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1050-53	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1055	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1056	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1057	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1058,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R1060	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R1061	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R1062	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1063	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1064	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1067	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1068	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1069	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1071-74	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1075	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R1076	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R1077	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1087	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1088	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1089	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1093	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1094	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1095	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1096	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1099	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1100	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1104	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1105	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1106	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1109	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1110	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1125	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1126	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1127	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1132	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1133	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1134	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1140	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1141	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1142	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1147	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
T1001	VTP0514	TRANSFORMER	1	G4D1A0000033
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
TP1003	EYF6CU	TEST POINT	1	
TP1005	EYF6CU	TEST POINT	1	
TP1009	EYF6CU	TEST POINT	1	
TP1016	EYF6CU	TEST POINT	1	
TP1036	EYF6CU	TEST POINT	1	
TP1056	EYF6CU	TEST POINT	1	
TP1111	EYF6CU	TEST POINT	1	
TP1136	EYF6CU	TEST POINT	1	
TP1156	EYF6CU	TEST POINT	1	
TP1195	EYF6CU	TEST POINT	1	
VR1001	EVM7JGA00B13	V.RESISTOR 1K	1	
VR1003	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1005	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1009	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1016	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1036	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1056	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1156	EVM7JGA00B23	V.RESISTOR 2K	1	
		MISCELLANEOUS		
	VMP5584	P.C.BOARD ANGLE	1	
	XYN3+K8	SCREW	1	
	VEE0F71	CABLE	1	
■ E17	VEP01850C	REAR JACK P.C.BOARD	1	(RTL)
C1020	EEVHB1V220P	E.CAPACITOR 35V 22U	1	
C1021	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C1023	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C1024,25	ECQP1682JZ	P.CAPACITOR 100V 6800P	2	
C1026	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1033	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C1034	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1035	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1036	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C1037	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C1038	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1039	VCC0030	C.CAPACITOR	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1040	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C1041	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1042,43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1050-65	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	16	
C1066	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
⚠ CP1001	VSQ0834	CIRCUIT PROTECTOR	1	K5JDHB000002
D1001	RK34	DIODE	1	B0JANE000005
D1002,03	MA142K	DIODE	2	
FL1001	EIR7QF012B	TRANSFORMER	1	
FL1002	VLF0941C223	FILTER	1	
IC1001	NJM4558M-D	IC	1	
L1001	VLQ0423J472	COIL 4700UH	1	
L1010	VLP0320	COIL	1	
L1011,12	VLF1151A132	COIL	2	
L1013,14	VLF1315A102	FILTER	2	J0JHC0000015
L1016-23	VLF1315A102	FILTER	8	J0JHC0000015
L1025	VLF1315A102	FILTER	1	J0JHC0000015
L1027	VLF1315A102	FILTER	1	J0JHC0000015
L1029	VLF1315A102	FILTER	1	J0JHC0000015
L1031,32	VLF1315A102	FILTER	2	J0JHC0000015
L1034	VLF1315A102	FILTER	1	J0JHC0000015
P1001	VJP3810E040	CONNECTOR (MALE)	1	K1KA40A00111
P1003	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
P1004	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1006	VJP2824B002	CONNECTOR (MALE)	1	K1KA02B00007
P1007	VJP2824A003	CONNECTOR (MALE) 3P	1	K1KA03A00008
P1008	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P1009	VJP3518B002	CONNECTOR (MALE)	1	
P1010	VJP3518B008	CONNECTOR (MALE)	1	
P1011	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1012	VJP3125B004	CONNECTOR (MALE)	1	K1KA04B00113
P1014	VJP3125B004	CONNECTOR (MALE)	1	K1KA04B00113
P1015	VJP3098B050	CONNECTOR (MALE)	1	K1KA50B00060
P1016,17	VJS3551A	AUDIO IN CONNECTOR	2	K1AB103B0012
P1018	VJP3551	CONNECTOR (MALE)	1	K1AA103B0008
Q1001	2SJ280S	TRANSISTOR	1	B1DHJG000001
Q1003	2SD874-R	TRANSISTOR	1	
Q1004	2SB779-R	TRANSISTOR	1	
Q1005	2SD1819A-R	TRANSISTOR	1	
Q1006-08	2SD1979	TRANSISTOR	3	
Q1009	2SB1220-R	TRANSISTOR	1	
Q1010,11	2SD1821-R	TRANSISTOR	2	
QR1001-06	UN5113	TRANSISTOR-RESISTOR	6	
R1001	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1005-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
⚠ R1015	VRT01512R2	THERMISTOR	1	D4DA92R20001
R1021	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1022	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1023	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1024	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1025	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1029	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1032,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1034	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1037	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1038	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1040	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1041	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1042	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1043	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1045	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1046,47	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1048	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
T1001	VLT0729	TRANSFORMER	1	G4ZZ00000358

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
VR1001	VRV0161B503	V.RESISTOR 50K	1	
VR1002	VRV0161B103	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VMP4846	JACK P.C.B. ANGLE	1	
	XYN3+K6	SCREW	1	
	VEE0F43	REAR JACK-BNC LUG CABLE	1	
	XWC3B	WASHER	1	
	VEE0J24	CABLE	1	
■ E18	VEP00Z35A	POWER SW P.C.BOARD	1	(RTL)
P9601	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
SW9601	VST0076	SWITCH	1	K0E112G00013
■ E19	VEP00Z30A	ALARM/MONITOR P.C.BOARD	1	(RTL)
D9101	MA165	DIODE	1	MA2C165001VT
SW9101	EVQQS205K	SWITCH	1	
VR9101,02	VRV0099A	V.RESISTOR	2	D2BBC14Y0002
		MISCELLANEOUS		
	VMG0945	VR SHIELD RUBBER	1	
■ E20	VEP00Z31A	TOGGLE SW P.C.BOARD	1	(RTL)
D9301-07	MA165	DIODE	7	MA2C165001VT
P9301	VJP1600T	CONNECTOR (MALE)	1	K1KA07A00066
SW9301	VST0326	SWITCH	1	K0E112G00009
SW9302-04	VST0327	SWITCH	3	K0E112G00010
		MISCELLANEOUS		
	VMP5579	SW HOLDER ANGLE	1	
	VJF0496	CLAMPER	2	
■ E21	VEP00Z32A	VAR SHUTTER P.C.BOARD	1	(RTL)
D9801,02	MA165	DIODE	2	MA2C165001VT
SW9801,02	EVQQSB04B	SWITCH	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E22	VEP00Z33A	SUPER IRIS P.C.BOARD	1	(RTL)
D9701,02	MA165	DIODE	2	MA2C165001VT
SW9701,02	EVQQSB04B	SWITCH	2	
■ E23	VEP00Z34A	PIX LINK P.C.BOARD	1	(RTL)
D9501	MA165	DIODE	1	MA2C165001VT
SW9501	EVQQSB04B	SWITCH	1	
■ E24	VEP04727B	AUDIO LCD P.C.BOARD	1	(RTL)
C4001	ECA1CM221	E.CAPACITOR 16V 220U	1	
C4002	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4003-06	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C4007	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4008	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4009-11	EEVHB1C100	E.CAPACITOR 16V 10U	3	
C4012-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C4018,19	ECHU1H102JB	P.CAPACITOR 50V 1000P	2	
C4020,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4022	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4023	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4024,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4026	ECA1CM221	E.CAPACITOR 16V 220U	1	
C4027	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4028	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4029	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4030	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4031	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4032,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4034	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4035-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4039,40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4041	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4042	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4043	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4044	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4045	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4046	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4047,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4049,50	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4051,52	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4054	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4055	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C4056	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4057,58	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C4059,60	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4061,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4063-65	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C4068-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4081,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4083	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4101	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4102,03	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4106	ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C4107,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4109	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4116,17	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4118	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4119	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4126,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4128	ECHU1C472JB	P.CAPACITOR 16V 4700P	1	
C4129	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4130	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4131	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4132	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4133	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4134	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4137	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4139	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4141	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4143,44	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C4145,46	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4147,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4152	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4155	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4157	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4158	EEVHB0G101	E.CAPACITOR 4V 100U	1	
C4159	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4160,61	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4164,65	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4168,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4170	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C4201	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4202,03	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4206	ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C4207,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4209	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4216,17	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4218	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4219	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4226,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4228	ECHU1C472JB	P.CAPACITOR 16V 4700P	1	
C4229	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4230	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4232	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4233	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4234	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4237	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4239	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4241	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4243,44	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C4245,46	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4247,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4252	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4255	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4257	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4258	EEVHB0G101	E.CAPACITOR 4V 100U	1	
C4259	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4260,61	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4264,65	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4268,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4270	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C4304	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4305	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4306	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4308	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C4408	EEVHP0J100	E.CAPACITOR 6.3V 10U	1	
C4501,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4508	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4509	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4510	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4511	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4513	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4514	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4515	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4516,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4519	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4520	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4521,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4523,24	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C4601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4602	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4604	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4611	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4701	ECA1EFQ820	E.CAPACITOR 25V 82U	1	
C4702	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C4703	EEUFA1J680	E.CAPACITOR 63V 68U	1	
C4705	EEUFA1J680	E.CAPACITOR 63V 68U	1	
C4707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4708	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4709	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4710	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4711	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4712,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4801-03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3	
C4804	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6502	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6503	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6504	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C6505-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6508	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6510,11	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C6525	EEVHB1V220P	E.CAPACITOR 35V 22U	1	
C6529	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6530	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
D4001,02	MA3J14300L	DIODE	2	
D4003	MA142K	DIODE	1	
D4004	MA3J14300L	DIODE	1	
D4101,02	MA3J14300L	DIODE	2	
D4103	MA142K	DIODE	1	
D4105,06	MA142K	DIODE	2	
D4107	MA714	DIODE	1	
D4201,02	MA3J14300L	DIODE	2	
D4203	MA142K	DIODE	1	
D4205,06	MA142K	DIODE	2	
D4207	MA714	DIODE	1	
D4601	MA142K	DIODE	1	
D4604,05	MA714	DIODE	2	
D4701	B0JCML000002	DIODE	1	
D4702	MA3J14300L	DIODE	1	
D4703	MA714	DIODE	1	
D6501	MA704	DIODE	1	
D6502-07	LNJ310M6URA	DIODE	6	
D6508	HZ16-1L	DIODE	1	B0BA01500032
D6509,10	LNJ310M6URA	DIODE	2	
D6511,12	MA142K	DIODE	2	
D6513	BR3902S	DIODE	1	B3AAA0000432
D6514-18	MA142K	DIODE	5	
D6520,21	MA142K	DIODE	2	
D6523-30	MA142K	DIODE	8	
D6532	MA142K	DIODE	1	
D6534-40	MA142K	DIODE	7	
D6541,42	LNJ310M6URA	DIODE	2	
D6544-46	MA142K	DIODE	3	
DP6501	EDD074YG1A4P	LCD	1	
FL4501	VLF1069	FILTER	1	G4ZZ00000278
IC4001	UPC5022GA144	IC	1	C1ZBZ0001311
IC4002	C0ABEB000034	IC	1	
IC4003	C0JBAB000163	IC	1	
IC4004	MC14053BF	IC	1	C0JBAR000023
IC4005	NJM2904M	IC	1	
IC4006	C0ABEB000034	IC	1	
IC4007	C0CBABC00049	IC	1	
IC4008	AK4503VF	IC	1	
IC4009	BA6138F	IC	1	
IC4010	C0ABEB000034	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4011	C0JBAR000242	IC	1	C0JBAR000021
IC4012	MC14053BF	IC	1	C0JBAR000023
IC4013	NJM2073M	IC	1	
IC4014	C0JBAZ000279	IC	1	
IC4015-17	C0ABEB000034	IC	3	
IC4018	NJM2122M	IC	1	
IC4019	TVHC11FT	IC	1	
IC4020	TVHC86FT	IC	1	
IC4021	TVHC00FT	IC	1	
IC4022	C0JBAA000117	IC	1	
IC4023	NJM78L12UA	IC	1	C0CBAKC00001
IC4101	NJM2122M	IC	1	
IC4102	C0ABEB000034	IC	1	
IC4103	C0ABBB000124	IC	1	C0ABBB000123
IC4105	C0JBAR000242	IC	1	C0JBAR000021
IC4201	NJM2122M	IC	1	
IC4202	C0ABEB000034	IC	1	
IC4203	C0ABBB000124	IC	1	C0ABBB000123
IC4205	C0JBAR000242	IC	1	C0JBAR000021
IC4501	MC14053BF	IC	1	C0JBAR000023
IC4502	C0ABEB000034	IC	1	
IC4503	C1BB00000311	IC	1	
IC4603	UPD75328G769	IC	1	C2ABEC000019
IC4604	C0CBADD00003	IC	1	
IC4701	LM2577MX-ADJ	IC	1	C0CAAZH00001
IC4702	C0ABEB000034	IC	1	
IC4703	C0JBAA000117	IC	1	
IC4704	NJM386M	IC	1	C1BB00000134
IC6501	UPD75316BE88	IC	1	C2ABFC000029
IC6503	S81350HG	IC	1	C0CAADB00003
IC6505	NJU7112AM	IC	1	
L4003,04	VLQ0163J100	COIL 10UH	2	G1C100J00001
L4101,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L4201,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L4701	VLQ0407680K	COIL 68UH	1	G0A680G00002
L4702	VLQ0621	COIL	1	
L4801	VLP0147	COIL	1	
P4001	VJP3098B050	CONNECTOR (MALE)	1	K1KA50B00060
P4003	VJP1616T	CONNECTOR (MALE)	1	K1KA12B00050
P4004	VJP1609T	CONNECTOR (MALE)	1	K1KA05B00059
P4005	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P6501	VJP1944T	CONNECTOR (MALE)	1	K1KA14B00046
PC4001	MCD5223	IC	1	B3RAC0000004
Q4001	2SD1819A-R	TRANSISTOR	1	
Q4002	2SD602A-S	TRANSISTOR	1	
Q4003	2SB0710ARL	TRANSISTOR	1	
Q4007	2SB1219-R	TRANSISTOR	1	
Q4008	2SB1220-R	TRANSISTOR	1	
Q4009,10	2SD1979	TRANSISTOR	2	
Q4101-03	2SD1819A-R	TRANSISTOR	3	
Q4107	2SD1979	TRANSISTOR	1	
Q4110	2SD1979	TRANSISTOR	1	
Q4111,12	2SB1220-R	TRANSISTOR	2	
Q4201-03	2SD1819A-R	TRANSISTOR	3	
Q4207	2SD1979	TRANSISTOR	1	
Q4210	2SD1979	TRANSISTOR	1	
Q4211,12	2SB1220-R	TRANSISTOR	2	
Q4302	2SD1979	TRANSISTOR	1	
Q4305-07	2SD1979	TRANSISTOR	3	
Q4402	2SD1979	TRANSISTOR	1	
Q4405-07	2SD1979	TRANSISTOR	3	
Q4702,03	2SD1979	TRANSISTOR	2	
Q4704	2SD874-R	TRANSISTOR	1	
Q4705	2SB766-R	TRANSISTOR	1	
Q6501,02	2SD968-R	TRANSISTOR	2	
Q6503	2SD602A-S	TRANSISTOR	1	
QR4001	UN5113	TRANSISTOR-RESISTOR	1	
QR4006	UN5213	TRANSISTOR-RESISTOR	1	
QR4007	UN5113	TRANSISTOR-RESISTOR	1	
QR4010	UN5213	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR4012	UN5213	TRANSISTOR-RESISTOR	1	
QR4013	UN5113	TRANSISTOR-RESISTOR	1	
QR4102,03	UN5113	TRANSISTOR-RESISTOR	2	
QR4104	UN521F	TRANSISTOR-RESISTOR	1	
QR4105	UN5113	TRANSISTOR-RESISTOR	1	
QR4106	UN521F	TRANSISTOR-RESISTOR	1	
QR4107	UN5213	TRANSISTOR-RESISTOR	1	
QR4108	UN5113	TRANSISTOR-RESISTOR	1	
QR4109	UN5213	TRANSISTOR-RESISTOR	1	
QR4110	UN5113	TRANSISTOR-RESISTOR	1	
QR4201	UN5213	TRANSISTOR-RESISTOR	1	
QR4202,03	UN5113	TRANSISTOR-RESISTOR	2	
QR4204	UN521F	TRANSISTOR-RESISTOR	1	
QR4205	UN5113	TRANSISTOR-RESISTOR	1	
QR4206	UN521F	TRANSISTOR-RESISTOR	1	
QR4207	UN5213	TRANSISTOR-RESISTOR	1	
QR4208	UN5113	TRANSISTOR-RESISTOR	1	
QR4209	UN5213	TRANSISTOR-RESISTOR	1	
QR4210	UN5113	TRANSISTOR-RESISTOR	1	
QR4301,02	UN5113	TRANSISTOR-RESISTOR	2	
QR4303,04	UN5213	TRANSISTOR-RESISTOR	2	
QR4401,02	UN5113	TRANSISTOR-RESISTOR	2	
QR4403,04	UN5213	TRANSISTOR-RESISTOR	2	
QR4601	UN5213	TRANSISTOR-RESISTOR	1	
QR6501	UN5211	TRANSISTOR-RESISTOR	1	
QR6502-04	UN5213	TRANSISTOR-RESISTOR	3	
R4001	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4002	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R4003	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4004,05	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R4006	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4013,14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4018	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4021,22	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4023	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R4024	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4026	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4027	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4035	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4037	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4040	ERJ6RED164	M.RESISTOR CH 3W 160K	1	
R4042	ERJ6RED164	M.RESISTOR CH 3W 160K	1	
R4046	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4047	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4048	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4051	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4064,65	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4068,69	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4070,71	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	2	
R4074,75	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4076	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4077	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4084,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4086	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4087	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4101	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4102	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4103	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4111	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4113	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4115	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4116	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4117	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4120	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4121	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4124	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4125	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4131,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4134	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4135	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1	
R4136	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4142	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4144	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4146	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4147	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4148	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4149,50	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4151,52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4160	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4161	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4162	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4163	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4164-66	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	3	
R4183	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4184	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4187	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4189	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4191	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4201	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4202	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4203	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4210	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4211	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4212	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4213	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4214	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4215	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4217	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4220	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4221	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4224	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4225	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4231,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4234	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4235	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1	
R4236	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4242	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4244	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4246	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4247	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4248	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4249,50	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4251,52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4255	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4260	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4261	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4262	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4263	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4264-66	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	3	
R4283	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4284	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4287	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4289	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4291	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4301	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R4302	ERJ12YJ181	M.RESISTOR CH 1/2W 180	1	
R4303,04	ERJ14YJ681	M.RESISTOR CH 1/4W 680	2	
R4305,06	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4307	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4308	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4309	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R4310	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4318	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4319	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4320	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4321	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4322	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4328	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4334	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4336	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4338	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4340	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4341	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4344	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4401	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R4402	ERJ12YJ181	M.RESISTOR CH 1/2W 180	1	
R4403,04	ERJ14YJ681	M.RESISTOR CH 1/4W 680	2	
R4405,06	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4407	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4408	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4409	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R4410	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4418	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4419	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4421	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4422	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4426	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4428	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4434	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4436	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4438	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4440	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4441	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4444	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4502	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4503	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4509	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4510	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4512	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4515	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4516	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4517	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4518	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4522	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4524	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R4525	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4529,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R4555,56	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4601	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4602	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4603	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4604	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1	
R4605-39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	35	
R4641,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4646-48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R4649	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4701	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4705	ERJ6RBD683	M.RESISTOR CH 1/10W 68K	1	
R4706	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R4707	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R4708	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4710	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4712	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4719,20	ERJ6GEYJ2R2	M.RESISTOR CH 1/10W 2.2	2	
R4725	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4807,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4811	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6501	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6502	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R6503	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R6504,05	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	2	
R6506	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R6507	ERJ6GEYG155	M.RESISTOR CH 1/10W 1.5M	1	
R6508	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6509,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6512-14	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6515	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6518	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6519,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6521	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6522	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6531	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R6532	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6542	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6553	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6562-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R6566-70	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R6575	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
RY4101,02	VSY2070	RELAY	2	
RY4201,02	VSY2070	RELAY	2	
SW4001	VSS0342	SWITCH	1	K0D112B00056
SW4101	VSS0342	SWITCH	1	K0D112B00056
SW4102	ESD11H230	SWITCH	1	
SW4201	VSS0342	SWITCH	1	K0D112B00056
SW4202	ESD11H230	SWITCH	1	
SW4701	VSS0367-06B	SWITCH	1	
SW6501	VSS0186	SWITCH	1	K0D112A00047
SW6502	VSS0187	SWITCH	1	K0D113A00036
SW6503,04	VSS0186	SWITCH	2	K0D112A00047
SW6505	VSS0187	SWITCH	1	K0D113A00036
SW6507	EVQQSB04B	SWITCH	1	
SW6508-10	VSS0187	SWITCH	3	K0D113A00036
SW6511	EVQQS205K	SWITCH	1	
SW6512-15	VSS0186	SWITCH	4	K0D112A00047
SW6516	EVQQSB04B	SWITCH	1	
SW6517	VSS0187	SWITCH	1	K0D113A00036
SW6524-26	EVQQS205K	SWITCH	3	
T4701	VLT0623	TRANSFORMER	1	
TG4001	EYF6CU	TEST POINT	1	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201,02	EYF6CU	TEST POINT	2	
TP4301	EYF6CU	TEST POINT	1	
TP4401	EYF6CU	TEST POINT	1	
TP4501	EYF6CU	TEST POINT	1	
TP4505	EYF6CU	TEST POINT	1	
TP4601,02	EYF6CU	TEST POINT	2	
TP6501-04	EYF6CU	TEST POINT	4	
VR4001	EVM7JGA00B23	V.RESISTOR 2K	1	
VR4002	EVM7JGA00B53	V.RESISTOR 5K	1	
VR4101	VRV0080	V.RESISTOR	1	D2BCA14A0001
VR4102,03	EVM7JGA00B14	V.RESISTOR 10K	2	
VR4201	VRV0080	V.RESISTOR	1	D2BCA14A0001
VR4202,03	EVM7JGA00B14	V.RESISTOR 10K	2	
VR4301	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4401	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4501	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4503	EVM7JGA00B54	V.RESISTOR 50K	1	
VR4701	EVM7JGA00B14	V.RESISTOR 10K	1	
X4601	VSX0140	CRYSTAL OSCILLATOR	1	
X6501	VSX0094C	CRYSTAL OSCILLATOR	1	
X6502	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VGQ4723	SPACER	1	
	VWB0123	CLAMPER	3	
	VMX1144	LED SPACER	1	
	VGL0915	BACK LIGHT BASE	1	
	VEE0F72	PHANTOM 2 CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E25	VEP00W08B	HEAD PHONE P.C.BOARD	1	(RTL)
C9201,02	ECKF1H102ZF	C.CAPACITOR 50V 1000P	2	
J9201	VJJ0522	JACK	1	K2HC103B0082
L1,L2	VLP0147	COIL	2	
■ E26	VEP00X87A	DC INPUT P.C.BOARD	1	(RTL)
D1	S3V40	DIODE	1	
		MISCELLANEOUS		
	VJP2717	CONNECTOR (MALE)	1	K1AA104H0021
	VEE9423	EXT DC CABLE	1	
■ E27	VEP20537A	FRONT TOGGLE P.C.BOARD	1	(RTL)
P1	VJS2949B015	CONNECTOR (FEMALE)	1	K1MN15B00016
P2	VJP1598T	CONNECTOR (MALE) 5P	1	K1KA05A00104
R1	ERDS2T0	C.RESISTOR 1/4W 0	1	
R2	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R3	ERDS2TJ183	C.RESISTOR 1/4W 18K	1	
R4	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
SW1	VST0194	SWITCH	1	K0E132A00002
SW2	VST0195	SWITCH	1	K0E132A00003
		MISCELLANEOUS		
	VMP4839	SW HOLDER ANGLE	1	
■ E28	VEP20538A	FRONT P.C.BOARD	1	(RTL)
SW1	EVQQSB05G	SWITCH	1	
SW2	VRV0270	SWITCH	1	
■ E29	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
D6001-03	B3AAB0000044	DIODE	3	
P501	VJP3125B010	CONNECTOR (MALE)	1	
SW6001-05	EVQPHL03T	SWITCH	5	
		MISCELLANEOUS		
	VEE9417	P.C.B. INT CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E30	VEP80858A	BACK TALLY LED P.C.BOARD	1	(RTL)
D1	TLRA116	DIODE	1	
SW1	VST0131	SWITCH	1	K0E122A00016
		MISCELLANEOUS		
	VEE9418	CABLE	1	
	VMX2126	LED SPACER	1	
■ E31	VEP80A14E	FRONT MIC P.C.BOARD	1	(RTL)
C1	ECKF1H472KB	C.CAPACITOR 50V 4700P	1	
C2,C3	ECKF1H102KB	C.CAPACITOR 50V 1000P	2	
L5-L7	VLP0147	COIL	3	
P1	VJS3417	CONNECTOR (FEMALE)	1	K1AB103A0007
P2	VJP2261	CONNECTOR (MALE)	1	K1KA03B00052
		MISCELLANEOUS		
	VEE0F40	EARTH CABLE	1	
■ E32	VEP80A33C	BNC P.C.BOARD	1	(RTL)
R1	VLF1147A241	FILTER	1	
R2,R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4-R7	VLP0353	COIL	4	
■ E33	VEP80A73A	BACK UP BATTERY P.C.BOARD	1	(RTL)
		MISCELLANEOUS		
	BCR20H4	BUTTON BATTERY HOLDER	1	
	VEE0D26	BATT CABLE	1	
■ E34	VEP86266A	MEMORY CARD FLEX P.C.B.	1	(RTL)
C1-C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
IC1-C5	NVHC04FT	IC	5	
P1	VJS3978A060A	CONNECTOR (FEMALE)	1	
R18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R22	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R30	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R32	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R36	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R42	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R46	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
		MISCELLANEOUS		
	VJP3839	CONNECTOR (MALE)	1	K1NA68B00025
	VMP4840	HOLDER ANGLE	1	
	XYN2+F8	SCREW	2	
	VMP5778	HOLD ANGLE	1	
■ E35	VEP80A66A	REAR FLEX P.C.BOARD	1	(RTL)
P1	VJS3807C040	CONNECTOR (FEMALE)	1	
■ E36	VEP80A67A	VIDEO FLEX P.C.BOARD	1	(RTL)
P1	VJS3806E160	CONNECTOR (FEMALE)	1	K1KBG0A00003
P2	VJP4106C160L	CONNECTOR (MALE)	1	K1KAG0A00008
■ E37	VEP80A68A	MAIN FLEX P.C.BOARD	1	(RTL)
P11,12	VJS3806E160	CONNECTOR (FEMALE)	2	K1KBG0A00003
■ E38	VEP80A69A	BYPASS P.C.BOARD	1	(RTL)
C6301-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
IC6300	MC74HC573AF	IC	1	C0JBAH000011
IC6301	TVHC245FT	IC	1	
IC6302,03	TVHC02FT	IC	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
R6301-08	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	8	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4620	NUMBER PLATE (5)	1	
■ E39	VEP80A65B	INT CONNECT P.C.BOARD	1	(RTL)
C9801-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C9820	ECEA1CU101	E.CAPACITOR 16V 100U	1	
IC9606,07	MC74HC4053F	IC	2	C0JBAR000054
IC9801-04	TVHC541FT	IC	4	
L9801	VLQ0319K101	COIL 100UH	1	G1C101K00022
L9802-05	VLP0353	COIL	4	
L9806	VLQ0319K101	COIL 100UH	1	G1C101K00022
L9810	ELELN560KA	COIL 56UH	1	
P9608	VJP3808E160	CONNECTOR (MALE)	1	K1KAG0A00004
P9802	VJS4106C160L	CONNECTOR (FEMALE)	1	K1KBG0A00008
P9803	VJS3807E060	CONNECTOR (MALE)	1	K1KB60A00037
P9804	VJP3808E040	CONNECTOR (MALE)	1	K1KA40A00101
P9805	VJP3518B013	CONNECTOR (MALE)	1	K1KA13B00036
P9807	VJP3125B004	CONNECTOR (MALE)	1	K1KA04B00113
P9808	VJP3125B005	CONNECTOR (MALE) 5P	1	K1KA05B00013
R9801-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R9812-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	38	
R9850,51	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R9852	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9855	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R9858-63	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	6	
R9865	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R9871	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9874	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9880,81	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG9801	EYF6CU	TEST POINT	1	
TP9801-09	EYF6CU	TEST POINT	9	
		MISCELLANEOUS		
	XQN26+A3	SCREW	2	
	VMS6279	SPACER	2	
	VMZ2647	BARRIER	1	